blue'Log XM / XC

Compatibility list

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Contact data

The manufacturer of the device described in this documentation is:

meteocontrol GmbH

Pröllstr. 28
86157 Augsburg
Germany
Phone: +49 (0)821 34666 - 0
Web: www.meteocontrol.com

Technical support:
Phone: +49 (0)821 34666 - 44
E-mail: technics@meteocontrol.com

Details regarding the document

The original document is written in English. All other language versions are translations of the original document and are hereby identified as such.

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Connections

RS485 bus cabling

The blue'Log offers two separate RS485 interfaces (RS485–1 and RS485–2) which can be used for querying information recorded on various bus devices such as inverters, power quality analyzers, etc.

Please note the following regarding the bus cabling:

- Each RS485 interface supports only a single protocol (for example, Modbus).
- All devices on a bus must use the same protocol to communicate.
- For Power Control requirements it is recommended to only connect inverters from the same series to one RS485 interface.
- The data logger functions exclusively as a master on the bus.
- The maximum permitted number of bus devices has to be observed (see driver information).
- The order of the bus devices on the bus is unimportant.
- The use of a repeater is necessary for every 32nd bus device and for long cable runs.
- The bus should be cabled with a twisted and shielded pair of wires.
- The shield of the bus cable must be grounded at one end of the connection only. The data logger does not have its own grounding.
- When wiring the bus wires, it is important that AC and DC cables are routed separately.
- Do not switch the buses signal wires.
- Different manufacturers interpret the RS485 interface's underlying standard differently. A and B wire labels may be different depending on different manufacturer. The + and – indicators, on the other hand, are unambiguous.
- To prevent reflections, the bus must always be terminated with a parallel terminator.

Ethernet Connection

When connecting devices via Ethernet to the blue'Log XM / XC, the IP addresses of the devices which should get connected must be static.

Clamp connection

Figure 1 - Clamp assignment blue'Log

RJ45 jack

Figure 2 - RJ45 pin assignment

Please consider that the pin assignment of RJ45 jacks can be specific depending on the manufacturer.

Max. number of devices

- Value for max. number of devices in COMMUNICATION section of each driver got calculated theoretically
- These values got calculated based on the requirements, Power Control and Monitoring without data gaps
- Please check the manufacturer documentation for information regarding the maximum amount of devices which can be connected to one RS485 bus or to a communication gateway
- The amount stated for "Max. number of devices" for each driver refers to the connection via blue'Log XM
- When connecting tracker systems the amount of devices which can get connected can get extended on blue'Log XM with help of the so called "Tracker mode". In case activated on blue'Log XM, up to 250 devices can be queried instead of 100. Except for the device types tracker, sensor and status, no further devices can be configured. Please note this feature is not available for blue'Log XC

Beta version

Please note: Drivers which are tagged with Beta-Version

- have not been tested in the field yet
- are just available via meteocontrol support

If beta version tagged driver should be required, please contact meteocontrol support:

Technical support:
Phone: +49 (0)821 34666 - 44
E-mail: technics@meteocontrol.com

Inverter

ABB

PRO

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	45
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PRO series

PRO-33.0-TL	PRO-33.0-TL-OUTD	PRO-33.0-TL-OUTD-400
PRO-33.0-TL-OUTD-S-400	PRO-33.0-TL-OUTD-SX-400	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PVS 800

ⓘ For connection of PVS800 only inverters with firmware (DTC) version ≥ 7320 get supported.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PVS 800-57B

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Ethernet communication requires the ABB communication module FENA-21. This module needs to be configured. Parameter 154.03 and 154.23 must be set to value 3.

ⓘ RS485 communication requires the ABB communication module FSCA. This module needs to be configured. Parameter 154.03 and 154.23 must be set to value 3.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PVS 800-57B

ⓘ For connection of PVS800-57B only inverters with firmware (DTC) version ≥ 1.41 get supported.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Ethernet communication requires the ABB communication module FENA-21. This module needs to be configured. Parameter 154.03 and 154.23 must be set to value 3.

ⓘ RS485 communication requires the ABB communication module FSCA. This module needs to be configured. Parameter 154.03 and 154.23 must be set to value 3.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PVS 980

ⓘ For connection of PVS980 only inverters with firmware (DTC) version ≥ 1.41 get supported.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PVS 980-58 5MVA

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	42
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ SCADA profile parameters must be set to "PVS980-58 5MVA"

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PVS 980-58 5MVA

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PVS, TRIO, TRIO-TM, UNO-DM-PLUS (SunSpec)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	35
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	2

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ If a device provides SunSpec models from more than one SunSpec device type the total amount of devices varies that can be connected to a blue'Log. E.g. for ABB inverters with additional string monitoring technology (SX2, SY2 models) it is only possible to connect up to 50 devices to one blue'Log XM as during scan blue'Log will setup an inverter device + a string monitoring device for each ABB model.

e.g. 10 x ABB inverters with string monitoring technology = 10 x inverter devices + 10 x string monitoring devices

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the following inverters need at least the following firmware versions:

Inverter model	Firmware Inverter	Firmware Q1 (Logger)
PVS-50-TL	1901B	1.6.9
PVS-60-TL	1901C	1.6.9
PVS-100-TL	1912B	0.14.9
PVS-120-TL	1912C	0.14.9
PVS-175-TL	1916F	0.2.8

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ For ABB inverters with additional string monitoring technology (SX2, SY2 models) the SunSpec String Combiner Model 403 is also supported.

SUPPORTED DEVICES

PVS series

PVS-50-TL	PVS-60-TL	PVS-60-TL-CN
PVS-60-TL-US	PVS-100-TL-B version	PVS-100-TL-B2 version
PVS-100.0-400-EU	PVS-120-TL-B version	PVS-120-TL-B2 version
PVS-120.0-480-EU	PVS-175.0-800-EU	PVS-175.0-800-EU_A.1

TRIO series

TRIO-50.0-TL-OUTD	TRIO-50.0-TL-OUTD-JP	TRIO-50.0-TL-OUTD-US
TRIO-60.0-TL-OUTD	TRIO-60.0-TL-OUTD-US	

TRIO-TM series

TRIO-TM-50.0-400	TRIO-TM-60.0-480	TRIO-TM-60.0-480-US

UNO-DM-PLUS series

UNO-DM-1.2-TL-PLUS	UNO-DM-2.0-TL-PLUS	UNO-DM-3.3-TL-PLUS-US
UNO-DM-3.8-TL-PLUS	UNO-DM-3.8-TL-PLUS-US	UNO-DM-4.0-TL-PLUS
UNO-DM-4.6-TL-PLUS	UNO-DM-5.0-TL-PLUS	UNO-DM-5.0-TL-PLUS-US
UNO-DM-6.0-TL-PLUS	UNO-DM-6.0-TL-PLUS-US	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TRIO-20.0/27.6-TL-OUTD

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.05 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ For connection of TRIO-20.0/27.6-TL-OUTD only devices with "Communication Board Firmware Version" E10D get supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ "Fast stop" is only being supported in case the "Remote on/off" function is enabled in the inverter.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

TRIO series

TRIO-20-TL-OUTD-400 TRIO-20-TL-OUTD-480 TRIO-27.6-TL-OUTD-400
TRIO-27.6-TL-OUTD-480

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TRIO-20.0/27.6-TL-OUTD via VSN700 datalogger

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Aurora-to-SunSpec Adapter VSN700-05 needed.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

TRIO series

TRIO 20.0 TL OUTD	TRIO 27.6 TL OUTD

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TRIO-xx-TL-OUTD

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

TRIO series

TRIO-50-TL-OUTD-EU	TRIO-50-TL-OUTD-JP	TRIO-50-TL-OUTD-US
TRIO-60-TL-OUTD	TRIO-60-TL-OUTD-US	

TRIO TM series

TRIO-TM-50.0-400/TRIO-TM-60.0-480

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ULTRA 750/1100/1500

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	4
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	4
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	3

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ A Modbus TCP / RS485 converter is necessary to use the interface Ethernet. For example (AFDWeb HD67508-A1-485 device)

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ULTRA series

ULTRA 750	ULTRA 1100	ULTRA 1500

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

UNO, TRIO, PVI, PVI-CENTRAL, REACT, ULTRA, PLUS, CORE (Aurora Protocol)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	AURORA
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	2

Timings

Timeout:	0.5 seconds
Delay:	0.035 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ In case String Boxes from ABB should be connected to inverters of the series Plus, Central, Core, Ultra the blue'Log would automatically create a string combiner device for every device connected during the inverter scan.
Depending on the amount of ABB string boxes connected to each inverter the total amount of devices varies that can be connected to one blue'Log.
The maximum number of ABB string boxes which can be connected are:
- Ultra series: 80
- Plus / Central / Core series: 12
ⓘ Communication via ABB Aurora protocol is very time critical to receive 1 minute measured values in time. If the cable connections to the inverters are not ideal or if an inverter has problems it can lead to data gaps in the monitoring for the whole RS485 bus. If possible use Modbus or SunSpec communication if the inverter supports it. Please check the other available ABB drivers from blue'Log. e.g. the newer models from the TRIO series support both protocols ABB Aurora and ABB Modbus, SunSpec.
ⓘ Please note inverters from the series PVI-Central, PVI-Ultra and PVI-Core consist of several inverter modules/units with seperate RS485 addresses. During the scan the blue'Log will create an inverter device for each module/unit.

-PVI -Central: 6 modules

-PVI -Ultra: 4 modules

-PVI - Core: 2 modules

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteocontrol recommendation is to choose a slower controller sample time than 500 ms.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CORE series

CORE-500.0-TL	CORE-1000.0-TL	PVI-500.0-TL-CN

PLUS series

PVI-55.0	PVI-55.0-TL	PVI-110.0
PVI-110.0-TL	PVI-134.0-TL	PVI-165.0
PVI-165.0-TL	PVI-200.0-TL	PVI-220.0
PVI-220.0-TL	PVI-267.0-TL	PVI-275.0
PVI-275.0-TL	PVI-330.0	PVI-330.0-TL
PVI-334.0-TL	PVI-400.0-TL	PVI-CENTRAL-50-US-208
PVI-CENTRAL-50-US-480	PVI-CENTRAL-100-US-208	PVI-CENTRAL-100-US-480
PVI-CENTRAL-150-DE	PVI-CENTRAL-250-CAN	PVI-CENTRAL-250-US
PVI-CENTRAL-300-CAN	PVI-CENTRAL-300-US	

PLUS-STATION series

PLUS-STATION-530.0	PLUS-STATION-665.0	PLUS-STATION-800.0
PLUS-STATION-930.0	PLUS-STATION-1065.0	PLUS-STATION-1200.0

PVI series

3-phase interface (3G74)	11.0 KVA Universal (output 400 VAC)	13.8 KVA Universal (output 400 VAC)
PVI-3.0-OUTD	PVI-3.6-OUTD	PVI-3.8-I-OUTD
PVI-3.8-OUTD	PVI-4.2-OUTD	PVI-4.6-I-OUTD
PVI-6.0-OUTD Universal (output 400 VAC)		PVI-6.0-TL-OUTD PVI-8.0-OUTD Universal
PVI-8.0-OUTD Universal PLUS	PVI-8.0-TL-OUTD	PVI-10.0-I-OUTD (output 208 VAC)
PVI-10.0-I-OUTD (output 380 VAC)	PVI-10.0-I-OUTD (output 480 VAC – current limit 12 A)	PVI-10.0-I-OUTD (output 480 VAC)
PVI-10.0-I-OUTD (output 600 VAC)	PVI-10.0-OUTD	PVI-10.0-OUTD Universal
PVI-10.0-TL-OUTD	PVI-12.0-I-OUTD (output 208 VAC)	PVI-12.0-I-OUTD (output 380 VAC)
PVI-12.0-I-OUTD (output 480 VAC)	PVI-12.0-I-OUTD (output 600 VAC)	PVI-12.5-OUTD
PVI-12.5-OUTD Universal	PVI-12.5-TL-OUTD	PVI-1700-IND
PVI-1700-OUTD	PVI-2000	PVI-2000-OUTD
PVI-3600	PVI-3600-OUTD	PVI-5000-OUTD
PVI-6000-OUTD		

REACT series

REACT-3.6-TL	REACT-4.6-TL	REACT-UNO-3.6-TL
REACT-UNO-4.6-TL		

TRIO series

TRIO-5.0-TL-OUTD	TRIO-5.8-OUTD (output 400 VAC)	TRIO-7.5-OUTD (output 400 VAC)
TRIO-8.5-OUTD (output 400 VAC)	TRIO-20-TL	TRIO-20.0 (output 480 VAC)
TRIO-25.0-OUTD	TRIO-27.6 (output 480 VAC)	TRIO-27.6-TL
TRIO-50.0-TL-OUTD	TRIO-50.0-TL-OUTD-JP	TRIO-50.0-TL-US
TRIO-60.0-TL-OUTD	TRIO-60.0-TL-OUTD-US	TRIO-TM-50.0-400 / TRIO-TM-60.0-480

ULTRA series

ULTRA-700.0-TL	ULTRA-750.0-TL	ULTRA-1050.0-TL
ULTRA-1100.0-TL	ULTRA-1400.0-TL	ULTRA-1500.0-TL

ULTRA-MVC series

ULTRA-MVC-770.0	ULTRA-MVC-1160.0	ULTRA-MVC-1550.0
ULTRA-MVC-1940.0	ULTRA-MVC-2330.0	ULTRA-MVC-2720.0
ULTRA-MVC-3110.0		

ULTRA-MVC-S series

ULTRA-MVC-770.0-S	ULTRA-MVC-1160.0-S	ULTRA-MVC-1550.0-S
ULTRA-MVC-1940.0-S	ULTRA-MVC-2330.0-S	ULTRA-MVC-2720.0-S
ULTRA-MVC-3110.0-S		

UNO series

UNO-2.0-I	UNO-2.0-TL-OUTD	UNO-2.0-TL-OUTD-US
UNO-2.5-I	UNO-3.0-TL-OUTD	UNO-3.0-TL-OUTD-US
UNO-3.6-TL-OUTD	UNO-3.8-TL-OUTD	UNO-4.2-TL-OUTD
UNO-4.6-TL-OUTD	UNO-7.6-TL-OUTD	UNO-8.6-TL-OUTD

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	83
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	0.01 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PVP30/AExxxTX series

AE35TX	AE50TX	AE75TX
AE100TX	AE250TX/AE260TX	AE500TX
PVP30KW		

PVPxxxx series

PVP4600

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	64
Protocol:	DANFOSS_COM_LYNX
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

Timings

Timeout:	1 seconds
Delay:	0.005 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Protect PV series

Protect PV 8	Protect PV 10	Protect PV 12.5 k
Protect PV 15 k		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PROTECT PV.690

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8E1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Protect PV.250	Protect PV.560	Protect PV.690
Protect PV.880		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

AETI
Integrated Solar Inversion System (ISIS)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	0.2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Integrated Solar Inversion System (ISIS)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Albatech
APL

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	247
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8E1
Frame settings default:	8E1
Default address:	247

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note when connecting Albatech inverters the communication settings of the inverters need to be set to:
-Bus speed: 19200 bps
-Frame settings: 8E1
-OneBasedAddress: false
-Word/Byte-Order: High

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

APL15	APL20

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

alfanar

alfSOL GT 3P 15K - 24K

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	16
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	0.2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

alfSOL GT 3P 15K - 24K

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	19
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Trinergy Plus 10kW	Trinergy Plus 20kW	Trinergy Plus 30kW
Trinergy Plus 40kW	Trinergy Plus 50kW	Trinergy Plus 60kW
Trinergy Plus 70kW		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

AROS (Riello)
SIRIO K12-K800 / HP100 central inverter

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	49
Protocol:	ModbusRTU
Bus speed:	1200 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note for connection of inverters without a touch screen display:
-Connection via Modbus RTU only possible with additional MODCOM PV card
-Connection via Modbus TCP does not get supported

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sirio Central Inverters series

Sirio K12	Sirio K15	Sirio K18
Sirio K25 Series	Sirio K33 Series	Sirio K40 Series
Sirio K64 Series	Sirio K80 Series	Sirio K100/HP100 3F-E Series
Sirio K125 Series	Sirio K200 Series	Sirio K250 Series
Sirio K320 Series	Sirio K330 Series	Sirio K500 Series
Sirio K800 Series		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	48
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N2, 8O1, 8E1
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Copernico TT/TL

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ATESS Power
HPS

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	68
Protocol:	ModbusRTU
Bus speed:	2400 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note during the scan the blue'Log creates 1 additional battery device for each inverter.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_CHARGE_LEVEL	Charging status
B_P_DC	Battery power
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

HPS series

HPS30	HPS30_V2	HPS50
HPS50_V2	HPS100	HPS120
HPS150		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PCS

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	73
Protocol:	ModbusRTU
Bus speed:	2400 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ Please note during the scan the blue'Log creates 1 additional battery device for each inverter.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_CHARGE_LEVEL	Charging status
B_P_DC	Battery power
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PCS series

PCS50	PCS50TL	PCS50U
PCS100	PCS100TL	PCS100U
PCS250	PCS250TL	PCS250U
PCS500	PCS500TL	PCS500U
PCS630		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Aunilec

Aunisol

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

AUNI-30KT	AUNI-40KT	AUNI-50KT
AUNI-60KT	AUNI-120CL	AUNI-250UH

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8E1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
OT_TOTAL	Operation hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RPS TL

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.3 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please note "Reactive power control - Q control" and "Power factor control - Cos phi control" are only available for specific inverter working mode configurations. Please directly get in touch with Canadian Solar for clarification regarding available working modes for each inverter.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CSI-3KTL1P-GI-FL CSI-4KTL1P-GI-FL CSI-5K-T400GL01-E
CSI-5KTL1P-GI-FL CSI-6K-T400GL01-E CSI-7KTL1P-GI-FL
CSI-8K-T400GL01-E CSI-8KTL1P-GI-FL CSI-9KTL1P-GI-FL
CSI-10K-T400GL01-E CSI-10KTL1P-GI-FL CSI-12K-T400GL01-E
CSI-15K-T220GL02-E CSI-15K-T400GL01-E CSI-15KTL-GI-LFL
CSI-17K-T400GL01-E CSI-20K-T220GL02-E CSI-20K-T220GL03-E
CSI-20K-T400GL01-E CSI-20KTL-GI-FL CSI-20KTL-GI-LFL
CSI-25K-T400GL02-E CSI-25KTL-GI-FL CSI-25KTL-GI-L
CSI-25KTL-GS-FLB/-25K-T480GL01-UB CSI-30K-T400GL02-E CSI-30KTL-GI-FL
CSI-30KTL-GI-L CSI-30KTL-GS-FLB/-30K-T480GL01-UB CSI-33K-T400GL02-E
CSI-36K-T400GL02-E CSI-36KTL-GS-FLB/-36K-T480GL01-UB CSI-40K-T400GL02-E
CSI-40K-T500GL02-E CSI-40KTL-GI-FL/-40KTL-GS-B CSI-40KTL-GI-HFL
CSI-40KTL-GS-FLB/-40K-T480GL01-UB CSI-50K-T400GL03-E CSI-50K-T480GL01-UB
CSI-50K-T500GL02-E CSI-50K-T500GL03-E CSI-50KTL-GI
CSI-50KTL-GI-HFL/-50KTL-GS-FLB CSI-50KTL-GS CSI-50KTL-GS-FL
CSI-60K-T400GL03-E CSI-60KTL-GI CSI-60KTL-GI-H/-60KTL-GS-B/-60K-T480GL01-UB
CSI-66K-T480GL01-UB CSI-75K-T400GL02-E CSI-75K-T480GL02-U
CSI-80K-T480GL02-U CSI-90K-T480GL02-U CSI-100K-T400GL02-E
CSI-100K-T400GL02-ZA CSI-100K-T480GL02-U CSI-110K-T400GL02-E
CSI-110K-T400GL02-ZA CSI-125K-T600GL02-E/U CSI-125K-T600GL03-U
CSI-125KTL-GI-E CSI-185K-T600GL02-U CSI-255K-T800GL02-E/U

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

csiXxxkT41001xE

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	58
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

csiXxxkT41001xE

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CE+ T Power

Power Inverter via Inview Gateway

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8O1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T	Temperature
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Power Inverter via Inview Gateway

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CEG
Lympha

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	56
Protocol:	ModbusRTU
Bus speed:	38400 bps
Bus speed default:	38400 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note Lympha inverters consist of several inverter modules (up to 3). For each inverter module the blue'Log creates a seperate inverter device during the scan.

- 80-160 kW inverters (each 1 x module) → 1 x inverter device after the scan on blue'Log for each inverter
- 200-310 kW inverters (each 2 x modules) → 2 x inverter devices after the scan on blue'Log for each inverter
- 390-500 kW inverters (each 3 x modules) → 3 x inverter devices after the scan on blue'Log for each inverter

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Lympha series

80 kW	100 kW	130 kW
160 kW	200 kW	260 kW
310 kW	390 kW	500 kW

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Chint
CPS Series

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	72
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ For connection of Chint CPS inverters to blue'Log it is possible to use a "Chint Flex Gateway G2" in between inverters and the data logger. Regarding the configuration of the "pass through function" of the gateway - which is required - please directly check with Chint.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ For Chint CPS SCH1500K the reactive power compensation beyond feed-in operation (Q at Night) is only possible with MCU Version > 1.07.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CPS series

SCA14KTL-DO/US-208	SCA20KTL-DO	SCA25KTL-DO
SCA25KTL-DO/US-208	SCA30KTL-DO	SCA36KTL-DO
SCA50KTL-DO	SCA50KTL-DO/US-480	SCA60KTL-DO
SCA60KTL-DO/US-480	SCA500KTL-H	SCA1000KTL-H
SCH75KTL-DO/EU	SCH100KTL	SCH100KTL-DO/EU
SCH100KTL-DO/US-480	SCH125KTL-DO/EU	SCH250KTL-DO/EU
SCH275KTL	SCH275KTL-DO/EU	SCH275KTL-DO/US-800
SCH333K-T-EU	SCH350K-T-EU	SCH1250K
SCH1500K		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	68
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SCA3KTL_SM	SCA4KTL_SM	SCA5KTL_SM
SCA6KTL_SM	SCA16KTL_SA	SCA16KTL_T
SCA18KTL_SA	SCA18KTL_T	SCA30KTL_SA
SCA30KTL_T	SCA36KTL_SA	SCA36KTL_T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
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Power Smart COMBOX Inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	75
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please note, "START-STOP" is always sent to all connected inverters simultaneously.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
S_AC	Apparent power
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Power Smart COMBOX Inverter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SmartBox

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ During the scan up to 32 inverter, 2 meter and 1 sensor device may be created.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_AH_REL1	Humidity, relative
E_DAY	Energy generated per day
E_TOTAL	Energy total
E_W_D1	Wind direction 1
E_W_S1	Wind speed 1
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
SRAD1	Irradiance 1
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SmartBox

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Danfoss
DLX, FLX, TLX, ULX

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	DANFOSS_ETHER_LYNX
Port:	48004
Default address:	0
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	64
Protocol:	DANFOSS_COM_LYNX
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

Timings

Timeout:	1 seconds
Delay:	0.005 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note that Danfoss considers RX/TX A (-) and RX/TX B (+). When connecting Danfoss inverters via RS485 to blue'Log A and B need to be changed.
ⓘ TLX Pro supports Ethernet communication.
ⓘ Scan on RS485 takes several minutes to finish without visible progress in between.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Only TLX inverter with software version ≥ 1.04 are supporting active power control. Only TLX+ inverter support active and reactive power control.
ULX inverter with software version ≥ 1.82 support active and reactive power control. With software version > 1.67 and < 1.82 only reactive power control is possible.
DLX inverter don't support power control.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DLX series

DLX 2.0	DLX 2.9	DLX 3.8
DLX 4.6		

FLX series

FLX Pro 5	FLX Pro 6	FLX Pro 7
FLX Pro 8	FLX Pro 9	FLX Pro 10
FLX Pro 12.5	FLX Pro 15	FLX Pro 17

TLX series

TLX series 6 k	TLX series 8 k	TLX series 10 k
TLX series 12.5 k	TLX series 15 k	

ULX series

ULX 1800	ULX 3600	ULX 5400

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Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Delta

DelCEN 1000

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	0.5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
I_AC	Current AC
P_AC	Power AC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DelCEN 1000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

M (Q@night, only Q method) (SunSpec)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	72
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ For communication via SunSpec the inverters must be configured accordingly. (please see inverter manufacturer documentation for more information).
ⓘ If a device provides SunSpec models from more than one SunSpec device type the total amount of devices varies that can be connected to a blue'Log. E.g. for Delta inverters with additional string monitoring technology it is only possible to connect up to 50 devices to one blue'Log XM as during scan blue'Log will setup an inverter device + a string monitoring device for each Delta model.

e.g. 10 x Delta inverters with string monitoring technology = 10 x inverter devices + 10 x string monitoring devices

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	Yes

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Only inverters with firmware version 1.19 get supported.
ⓘ You must activate the "Constant Q, 24/7" mode from the inverter via inverter display or Delta service software DSS to use the Remote power compensation function. Configure it only for the inverters at the plant which should do the remote power compensation. The other ones should stay in the mode "Constant Q".
ⓘ Please note that it is not possible to use the drivers "Delta M (SunSpec)" and "Delta M (Q@night, only Q method) (SunSpec)" on the same RS485 bus.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ For Delta inverters with additional string monitoring technology the SunSpec String Combiner Model 401 is also supported.

SUPPORTED DEVICES

M15A	M15A Flex	M20A
M20A Flex	M30A	M30A Flex
M42U	M50A	M50A Flex
M60U	M70A	M70A Flex
M80U	M88H	M125HV
M250HV		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

M (SunSpec)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	72
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ For communication via SunSpec the inverters must be configured accordingly. (please see inverter manufacturer documentation for more information).
ⓘ If a device provides SunSpec models from more than one SunSpec device type the total amount of devices varies that can be connected to a blue'Log. E.g. for Delta inverters with additional string monitoring technology it is only possible to connect up to 50 devices to one blue'Log XM as during scan blue'Log will setup an inverter device + a string monitoring device for each Delta model.

e.g. 10 x Delta inverters with string monitoring technology = 10 x inverter devices + 10 x string monitoring devices

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please note that it is not possible to use the drivers "Delta M (SunSpec)" and "Delta M (Q@night, only Q method) (SunSpec)" on the same RS485 bus.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ For Delta inverters with additional string monitoring technology the SunSpec String Combiner Model 401 is also supported.

SUPPORTED DEVICES

M15A	M15A Flex	M20A
M20A Flex	M30A	M30A Flex
M42U	M50A	M50A Flex
M60U	M70A	M70A Flex
M80U	M88H	M125HV
M250HV		

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

SI, SOLIVIA, SOL, TL, RPI (Delta protocol)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	DELTA
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteocontrol recommendation is to choose a slower controller sample time than 500 ms.
ⓘ Only the models RPI M50A and RPI M30A support the function "Fast stop".

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_AC	Supply impedance
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

GRIDFIT series

- Gridfit 1900/2200

RPI series

RPI H3	RPI H3A	RPI H3A Flex
RPI H4A	RPI H4A Flex	RPI H5
RPI H5A	RPI H5A Flex	RPI M6
RPI M6A	RPI M8	RPI M8A
RPI M10	RPI M10A	RPI M12
RPI M15A	RPI M20A	RPI M30
RPI M30A	RPI M50A	

SI series

SI 2500	SI 3300	SI 5000

SOL series

- SOL 5.0 2TL3 S4

SOLIVIA series

SOLIVIA 2.0 EU G4 TR	SOLIVIA 2.5 AP G3	SOLIVIA 2.5 EU G3
SOLIVIA 2.5 EU G4 TR	SOLIVIA 2.5 NA G4	SOLIVIA 3.0 AP G3
SOLIVIA 3.0 EU G3	SOLIVIA 3.0 EU G4 TR	SOLIVIA 3.0 EU T4 TL
SOLIVIA 3.0 NA G4	SOLIVIA 3.0 NA G4 TL	SOLIVIA 3.3 AP G3
SOLIVIA 3.3 EU G3	SOLIVIA 3.3 EU G4 TR	SOLIVIA 3.3 NA G4
SOLIVIA 3.6 AP G3	SOLIVIA 3.6 EU G3	SOLIVIA 3.6 EU G4 TR
SOLIVIA 3.6 NA G4	SOLIVIA 3.8 NA G4 TL	SOLIVIA 4.4 EU G4 TR
SOLIVIA 4.4 NA G4	SOLIVIA 5.0 AP G3	SOLIVIA 5.0 EU G3
SOLIVIA 5.0 EU G4 TR	SOLIVIA 5.0 EU T4 TL	SOLIVIA 5.0 NA G4
SOLIVIA 5.0 NA G4 TL	SOLIVIA 5.2 NA G4 TL	SOLIVIA 6.0 EU T4 TL
SOLIVIA 6.6 NA G4 TL	SOLIVIA 7.6 NA G4 TL	SOLIVIA 8.0 EU T4 TL
SOLIVIA 10 EU G4 TR (EVR)	SOLIVIA 10 EU T4 TL	SOLIVIA 11 EU G4 TR
SOLIVIA 11 EU G4 TR (EVR)	SOLIVIA 12 EU G4 TL	SOLIVIA 12 EU T4 TL
SOLIVIA 15 EU G4 TL	SOLIVIA 15 EU TL	SOLIVIA 20 EU G4 TL
SOLIVIA 20 EU TL	SOLIVIA 30 EU T4 TL	SOLIVIA CM
SOLIVIA CS		

TL series

DELTA 15 TL	DELTA 20 TL	DELTA 24 TL
DELTA 28 TL		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Deye

Hybrid inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ During the scan one inverter and two battery devices are created.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_P_DC	Battery power
B_SOC	State of charge
B_U_DC	Battery voltage
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SUN-25K-SG01HP3-AU-BM2	SUN-25K-SG01HP3-EU-BM2	SUN-29.9K-SG01HP3-AU-BM3
SUN-29.9K-SG01HP3-EU-BM3	SUN-30K-SG01HP3-AU-BM3	SUN-30K-SG01HP3-EU-BM3
SUN-35K-SG01HP3-AU-BM3	SUN-35K-SG01HP3-EU-BM3	SUN-40K-SG01HP3-AU-BM4
SUN-40K-SG01HP3-EU-BM4	SUN-50K-SG01HP3-AU-BM4	SUN-50K-SG01HP3-EU-BM4

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Hybrid inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ During the scan one inverter and two battery devices are created.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_P_DC	Battery power
B_SOC	State of charge
B_U_DC	Battery voltage
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SUN-25K-SG01HP3-AU-BM2	SUN-25K-SG01HP3-EU-BM2	SUN-29.9K-SG01HP3-AU-BM3
SUN-29.9K-SG01HP3-EU-BM3	SUN-30K-SG01HP3-AU-BM3	SUN-30K-SG01HP3-EU-BM3
SUN-35K-SG01HP3-AU-BM3	SUN-35K-SG01HP3-EU-BM3	SUN-40K-SG01HP3-AU-BM4
SUN-40K-SG01HP3-EU-BM4	SUN-50K-SG01HP3-AU-BM4	SUN-50K-SG01HP3-EU-BM4

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

String Inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	42
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SUN-18K-G04	SUN-18K-G05	SUN-20K-G04
SUN-20K-G05	SUN-25K-G04	SUN-25K-G05
SUN-30K-G04	SUN-33K-G04	SUN-36K-G04
SUN-70K-G03	SUN-75K-G03	SUN-80K-G03
SUN-90K-G03	SUN-100K-G03	SUN-110K-G03

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Diehl Ako
PLATINUM

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	DIEHL_AKO
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note it is possible to connect "String Modules" to Diehl AKO inverters. In case "String Modules" connected the blue'Log will automatically set up a string combiner device for each "String Module" connected to the inverter. Depending on the amount of "String Modules" connected the max. amount of devices varies which can get connected to one blue'Log.
Values of the "Power Modules" can get visualized via the inverter.
ⓘ The scan of a single Diehl AKO inverter can last up to 45 seconds.
ⓘ It is not possible to scan individual inverters. Only a complete RS485 bus can get scanned.
ⓘ With Diehl AKO inverters it is possible to start the scan of the RS485 bus not only from a data logger but also from single inverters part of the bus. The driver does not support this function. In case a scan of the RS485 bus has been carried out from an inverter this can lead to a communication error. In such cases meteocontrol recommends a restart of the blue'Log as well as a completely new scan of all inverters connected carried out by the blue'Log.
ⓘ Diehl AKO inverters with protocol version 5.0 and higher get supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please note in CLOSED-LOOP only "Active power control" or "Reactive power control" is possible. "Active power control" and "Reactive power control" at the same time only possible in OPEN-LOOP.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I (1,...x)	Current DC (1,...x)
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PLATINUM C series

100CS	100CTL	125CTL

PLATINUM R3-M series

7000R3-MDX	7000R3-MDXP	9000R3-MDX
9000R3-MDXP	11000R3-MDX	11000R3-MDXP
14000R3-MDX	14000R3-MDXP	16000R3-MDX
16000R3-MDXP		

PLATINUM S series

2100S	2800S	3100S
3501S	3800S	4300S
4301S	4600S	4601S
4602S		

PLATINUM TL series

4300TL	4800TL	5300TL
6300TL	7200TL	

PLATINUM TL3 (3xTL) series

11000TL3	13000TL3	17000TL3
22000TL3		

PLATINUM TLD series

3800TLD	3801TLD	4300TLD
4800TLD	5300TLD	6300TLD
7200TLD		

PLATINUM TLD series (3xTLD) series

13000TLD (TLxD)	16000TLD (TLxD)	19000TLD (TLxD)
22000TLD (TLxD)	22001TLD (TLxD)	

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

EEI
8YF

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

8YF

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Emerson

Unidrive SPV1

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
P_AC	Power AC
T	Temperature
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Unidrive SPV1 series

SPV 145	SPV 175	SPV 350
SPV 525	SPV 700	SPV 875
SPV 1060	SPV 1230	SPV 1410
SPV 1590		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Unidrive SPV2

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2, 7N1, 7O1, 7E1, 7N2, 7O2, 7E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Unidrive SPV2 series

SPV 248	SPV 300	SPV 600
SPV 900	SPV 1200	SPV 1500
SPV 1800	SPV 2100	SPV 2400
SPV 2700		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

EPC Power

CAB Series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CAB Series

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

FIMER
PVS-10/120-TL

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	72
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PVR-65-TL	PVR-75-TL	PVR-80-TL
PVS-10-TL	PVS-12.5-TL	PVS-15-TL
PVS-20-TL	PVS-20-TL-SXD	PVS-30-TL
PVS-33-TL	PVS-50-TL	PVS-60-TL
PVS-60-TL-CN	PVS-60-TL-US	PVS-100-TL
PVS-100-TL-B	PVS-100-TL-B2	PVS-120-TL
PVS-120-TL-B	PVS-120-TL-B2	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

R400 - R5000TL

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	65
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

R400	R800	R1200
R2500TL	R5000TL	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

FoxESS

H-Series Inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	63
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_LIM_I_CHARGE	Maximum charging current
B_LIM_I_DISCHARGE	Maximum discharging current
B_P_DC	Battery power
B_SOC	State of charge
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

H-Series Inverter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

R-Series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

R-Series

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

T-Series

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	1
Protocol:	FOXESS
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only one T-Series inverter can be connected per RS485 interface on the blue'Log XM / XC base module or the extension module MX-Module RS485/422.
ⓘ To ensure uninterrupted communication, the inverter should be configured with the German grid code VDE4105.
ⓘ Only inverter with T-G3 manager version 1.22 and later or T-G2 manager version 1.35 and later are supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

T3	T4	T5
T6	T8	T10
T12	T15	T17
T20	T25	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

FRIEM

RECon 30 Central Inverter (firmware > 2.42.0)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	38400 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ FRIEM RECon central inverters consist of several inverter modules (up to 6) and string combiners (up to 18). Depending on the combination of modules and string combiners the total amount of devices varies that can be connected to one blue'Log (e.g. 1 FRIEM RECon central inverter with 6 inverter modules + 18 string combiner = 24 devices).

ⓘ Please note for connection of FRIEM RECon inverters with only a RS232 interface an additional RS232/RS485 converter is required for connection via Modbus RTU.

ⓘ Please note for FRIEM RECon inverters with firmware version up to 2.42.0 the communication via Modbus TCP can't get used for monitoring.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC	Current AC
I_DC	Current DC
P_AC	Power AC
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RECon 30 Central Inverter (firmware > 2.42.0)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RECon Central Inverter (firmware > 5.2.xx)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	8000
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	38400 bps
Bus speed default:	38400 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ FRIEM RECon central inverters with firmware > 5.2.xx get supported.

ⓘ FRIEM RECon central inverters consist of several inverter modules (up to 6) and string combiners (up to 18). Depending on the combination of modules and string combiners the total amount of devices varies that can be connected to one blue'Log (e.g. 1 FRIEM RECon central inverter with 6 inverter modules + 18 string combiner = 24 devices).

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC	Current AC
I_DC (1,...x)	Current DC string (1,...x)
I_SUM	Sum of DC currents
P_AC	Power AC
Q_AC	Reactive power
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RECon series

FRIEM stringboxes	RECon Centralized Inverters

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Fronius

Argeno (SunSpec)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Argeno 125

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Datamanager 2.0 / GEN24 / Tauro / Verto

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	51
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Communication via Modbus must be activated on the Fronius Datamanager 2.0 first.

ⓘ On the Fronius Datamanager 2.0 the Sunspec Model type "int + SF" needs to be selected.

ⓘ It is recommended that not more than 6 inverters get connected to a single Datamanager 2.0 for monitoring purpose.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ In case of Power Control requirements "Inverter control via Modbus" needs to be activated on the Fronius Datamanager 2.0.

ⓘ Please consider that meteocontrol recommends not to connect more than 6 inverters to a single Datamanager 2.0 in case Power Control should be required.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Datamanager 2.0 plug-in card with Fronius Com Card function series

Fronius CL	Fronius CL USA	Fronius IG
Fronius IG 300 - 500	Fronius IG Plus	Fronius IG Plus A
Fronius IG Plus V		

Datamanager 2.0 plug-in card without Fronius Com Card function series

Fronius Eco	Fronius Galvo	Fronius Primo
Fronius Symo		

Datamanager Box 2.0 series

Fronius Agilo	Fronius Agilo Outdoor	Fronius Agilo TL
Fronius CL	Fronius CL USA	Fronius Eco (light)
Fronius Galvo	Fronius IG	Fronius IG 300 - 500
Fronius IG Plus	Fronius IG Plus A	Fronius IG Plus V
Fronius Primo	Fronius Symo	Fronius Symo Advanced 17.5-3-M

GEN24 series

Primo GEN24	Symo GEN24

Tauro series

Tauro 50-3-D	Tauro 50-3-P	Tauro Eco 50-3-D
Tauro Eco 50-3-P	Tauro Eco 99-3-D	Tauro Eco 99-3-P
Tauro Eco 100-3-D	Tauro Eco 100-3-P	

Verto series

Verto 10.0	Verto 10.0 208-240	Verto 10.0 480
Verto 12.0 208-240	Verto 12.5	Verto 12.5 480
Verto 15.0	Verto 15.0 208-240	Verto 15.0 480
Verto 17.5	Verto 18.0 208-240	Verto 19.0 208-240
Verto 20.0	Verto 20.0 480	Verto 22.0
Verto 24.0	Verto 24.0 480	Verto 25.0
Verto 27.0	Verto 27.0 480	Verto 29.9
Verto 30.0	Verto 30.0 480	Verto 33.3
Verto 36.0 480		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Fronius SolarNet Inverter

COMMUNICATION

Communication interface:	RS422
Max. number of devices per bus:	100
Protocol:	SOLAR_NET
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	57600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 7N1, 7N2, 7E1, 7E2
Frame settings default:	8N1
Default address:	0

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ To communicate with the inverter via SolarNet protocol a Full duplex (4 Wires) cabling via RS422 is necessary. It is possible to use both the two RS485 interfaces of the blue'Log XM / XC base module and the MX-MODULE RS485/422. On the blue'Log base module the four inputs (starting from left) of each RS485 interface can get used for connections via RS422 SolarNet protocol.

For cablings via RS422 via RS485 base module interfaces (Inputs from left to right) Rx+ ; Rx- ; Tx+ ; Tx- ; GND

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Active / reactive power control is not supported by Fronius IG series

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_AC	Supply impedance
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T	Temperature
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Agilo series

Fronius Agilo 75.0-3	Fronius Agilo 75.0-3 Outdoor	Fronius Agilo 100.0-3
Fronius Agilo 100.0-3 Dummy	Fronius Agilo 100.0-3 Outdoor	Fronius Agilo TL 360.0-3
Fronius Agilo TL 460.0-3		

CL series

Fronius CL 33.3 Delta	Fronius CL 36.0	Fronius CL 36.0 WYE277
Fronius CL 44.4 Delta	Fronius CL 48.0	Fronius CL 48.0 WYE277
Fronius CL 55.5 Delta	Fronius CL 55.5 Delta Dummy	Fronius CL 60.0
Fronius CL 60.0 Dummy	Fronius CL 60.0 WYE277	Fronius CL 60.0 WYE277 Dummy

Eco series

FRONIUS Eco 25.0-3-S	FRONIUS Eco 27.0-3-S	FRONIUS Symo 15.0-3 208

Galvo series

Fronius Galvo 1.5-1	Fronius Galvo 1.5-1 208-240	Fronius Galvo 2.0-1
Fronius Galvo 2.0-1 208-240	Fronius Galvo 2.5-1	Fronius Galvo 2.5-1 208-240
Fronius Galvo 3.0-1	Fronius Galvo 3.1-1	Fronius Galvo 3.1-1 208-240
Fronius Galvo 3.1-1 Dummy		

IG series

Fronius IG 15	Fronius IG 20	Fronius IG 30
Fronius IG 30 Dummy	Fronius IG 40	Fronius IG 50
Fronius IG 60 ADV	Fronius IG 60 HV	Fronius IG 300
Fronius IG 400	Fronius IG 500	Fronius IG 2000
Fronius IG 2500-LV	Fronius IG 3000	Fronius IG 4000
Fronius IG 4500-LV	Fronius IG 5100	Fronius IG Plus 35
Fronius IG Plus 50	Fronius IG Plus 70	Fronius IG Plus 100
Fronius IG Plus 120	Fronius IG Plus 150	Fronius IG TL 3.0
Fronius IG TL 3.6	Fronius IG TL 4.0	Fronius IG TL 4.6
Fronius IG TL 5.0	Fronius IG TL Dummy	

IG Plus series

Fronius IG Plus 3.0-1 UNI	Fronius IG Plus 3.8-1 UNI	Fronius IG Plus 5.0-1 UNI
Fronius IG Plus 6.0-1 UNI	Fronius IG Plus 7.5-1 UNI	Fronius IG Plus 10.0-1 UNI
Fronius IG Plus 11.4-1 UNI	Fronius IG Plus 11.4-3 Delta	Fronius IG Plus 12.0-3 WYE277
Fronius IG Plus 25 V-1	Fronius IG Plus 30 V-1	Fronius IG Plus 35 V-1
Fronius IG Plus 50 V-1	Fronius IG Plus 50 V-1 Dummy	Fronius IG Plus 55 V-1
Fronius IG Plus 55 V-2	Fronius IG Plus 55 V-3	Fronius IG Plus 60 V-1
Fronius IG Plus 60 V-2	Fronius IG Plus 60 V-3	Fronius IG Plus 70 V-1
Fronius IG Plus 70 V-2	Fronius IG Plus 80 V-3	Fronius IG Plus 100 V-1
Fronius IG Plus 100 V-2	Fronius IG Plus 100 V-2 Dummy	Fronius IG Plus 100 V-3
Fronius IG Plus 120 V-1	Fronius IG Plus 120 V-3	Fronius IG Plus 150 V-3
Fronius IG Plus 150 V-3 Dummy	Fronius IG Plus V 3.8-1 Dummy	Fronius IG Plus V 7.5-1 Dummy
Fronius IG Plus V 12.0-3 Dummy	Fronius IG Plus V/A 3.0-1 UNI	Fronius IG Plus V/A 3.8-1 UNI
Fronius IG Plus V/A 5.0-1 UNI	Fronius IG Plus V/A 6.0-1 UNI	Fronius IG Plus V/A 7.5-1 UNI
Fronius IG Plus V/A 10.0-1 UNI	Fronius IG Plus V/A 10.0-3 Delta	Fronius IG Plus V/A 11.4-1 UNI
Fronius IG Plus V/A 11.4-3 Delta	Fronius IG Plus V/A 12.0-3 WYE	

Other series

Fronius G24 Serie	Remote Plant

Primo series

Fronius Primo 3.0-1	Fronius Primo 3.5-1	Fronius Primo 3.6-1
Fronius Primo 3.8-1 208-240	Fronius Primo 4.0-1	Fronius Primo 4.6-1
Fronius Primo 5.0-1	Fronius Primo 5.0-1 208-240	Fronius Primo 6.0-1
Fronius Primo 6.0-1 208-240	Fronius Primo 7.6-1 208-240	Fronius Primo 8.2-1
Fronius Primo 8.2-1 208-240	Fronius Primo 8.2-1 Dummy	Fronius Primo 10.0-1 208-240
Fronius Primo 11.4-1 208-240	Fronius Primo 12.5-1 208-240	Fronius Primo 15.0-1 208-240
Fronius Primo Hybrid 3.6-1	Fronius Primo Hybrid 4.0-1	Fronius Primo Hybrid 4.6-1
Fronius Primo Hybrid 5.0-1	Fronius Primo Hybrid 5.0-1 240	Fronius Primo Hybrid 6.0-1
Fronius Primo Hybrid 6.0-1 240	Fronius Primo Hybrid 8.0-1	Fronius Primo Hybrid 8.0-1 240
Fronius Primo Hybrid 10.0-1	Fronius Primo Hybrid 10.0-1 240	Fronius Primo Hybrid 11.4-1
Fronius Primo Hybrid 11.4-1 240		

SPR series

SPR 3001F-1 EU	SPR 3300F EU/A 3.8-1 UNI	SPR 3300f/A 12.0-3 WYE
SPR 3501F-1 EU	SPR 4000F EU/A 3.0-1 UNI	SPR 4000f/A 11.4-3 Delta
SPR 4001F-1 EU	SPR 6500F EU	SPR 6500f/A 11.4-1 UNI
SPR 6501F-2 EU	SPR 8000F EU	SPR 8000f/A 10.0-3 Delta
SPR 8001F-2 EU	SPR 8001F-3 EU	SPR 10000F EU
SPR 10000f/A 10.0-1 UNI	SPR 10001F-3 EU	SPR 11400f-3 208/240/A 7.5-1 UNI
SPR 12000F EU	SPR 12000f-277/A 5.0-1 UNI	SPR 12000f/A 6.0-1 UNI
SPR 12001F-3 EU	SPR-3301f-1 UNI	SPR-3801f-1 UNI
SPR-6501f-1 UNI	SPR-7501f-1 UNI	SPR-10001f-1 UNI
SPR-11401f-1 UNI	SPR-11401f-3 Delta	SPR-12001f-3 WYE277

Symo series

Fronius Symo 3.0-3-M	Fronius Symo 3.0-3-S	Fronius Symo 3.7-3-M
Fronius Symo 3.7-3-S	Fronius Symo 4.5-3-M	Fronius Symo 4.5-3-S
Fronius Symo 5.0-3-M	Fronius Symo 5.5-3-M	Fronius Symo 6.0-3-M
Fronius Symo 6.7-3-M	Fronius Symo 7.0-3-M	Fronius Symo 8.2-3-M
Fronius Symo 8.2-3-M Dummy	Fronius Symo 10.0-3 208-240	Fronius Symo 10.0-3 480
Fronius Symo 10.0-3-M	Fronius Symo 12.0-3 208-240	Fronius Symo 12.5-3 480
Fronius Symo 12.5-3-M	Fronius Symo 15.0-3 480	Fronius Symo 15.0-3-M
Fronius Symo 17.5-3 480	Fronius Symo 17.5-3-M	Fronius Symo 20.0-3 480
Fronius Symo 20.0-3 Dummy	Fronius Symo 20.0-3-M	Fronius Symo 22.7-3 480
Fronius Symo 24.0-3 480	Fronius Symo 24.0-3 USA Dummy	Fronius Symo Advanced 12.5-3-M
Fronius Symo Hybrid 3.0-3-S	Fronius Symo Hybrid 4.0-3-S	Fronius Symo Hybrid 5.0-3-S
Symo Advanced 10.0-3 208-240	Symo Advanced 12.0-3 208-240	Symo Advanced 15.0-3 480
Symo Advanced 20.0-3 480	Symo Advanced 20.0-3-M	Symo Advanced 22.7-3 480
Symo Advanced 24.0-3 480		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Gamesa Electric
Inverter III 500kW

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8E1
Frame settings default:	8E1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Inverter III 500kW

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PV 2X Series

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

GE

GEP series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	60
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

GEP series series

GEP25-10	GEP29.9-10	GEP30-10
GEP36-10	GEP50-10	GEP60-10

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Gefran

APVS1XF

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	59
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

APV-S-10K-AE-TL1	APV-S-12K-AE-TL1	APV-S-15K-EE-TL1
APV-S-20K-EE-TL1		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

APVS2XF

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	58
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

APV-S-10K-AE-TL2	APV-S-12K-AE-TL2	APV-S-15K-AE-TL2
APV-S-18K-AE-TL2	APV-S-20K-AE-TL2	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

APVS3XF

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	58
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

APV-S-10K-EE-TL3	APV-S-20K-AE-TL3

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

APVX2M

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

APV-1700-2M-TL	APV-2300-2M-TL	APV-3100-2M-TL
APV-3800-2M-TL	APV-4400-2M-TL	APV-5200-2M-TL

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

APVX4TL

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

APV-10K-4-TL-DM	APV-12K-4-TL-DM	APV-18K-4-TL-DM
APV-20K-4-TL-DM		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Ginlong
Solis

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.3 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please note "Reactive power control - Q control" and "Power factor control - Cos phi control" are only available for specific inverter working mode configurations. Please directly get in touch with Ginlong for clarification regarding available working modes for each inverter.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Solis 124K-HV-5G
Solis S5-GC-40K-HV
Solis S5-GC25K
Solis S5-GC30K
Solis S5-GC33K
Solis S5-GC36K-(AU)
Solis S5-GC40K-(AU)
Solis S5-GC50K
Solis S5-GC50K IN
Solis S5-GC60K
Solis S5-GC60K IN
Solis S5-GC75K-US
Solis S5-GC100K IN
Solis S5-GC100K ON
Solis S5-GC100K-HV IN
Solis S5-GC100K-HV VINCO
Solis S5-GC110K IN
Solis S5-GC110K ON
Solis S5-GC110K-BHV IN
Solis S5-GC110K-BHV VINCO
Solis S5-GR1P10K
Solis S5-GR3P(3)K
Solis S5-GR3P(4)K
Solis S5-GR3P(5)K
Solis S5-GR3P(6)K
Solis S5-GR3P(8)K
Solis S5-GR3P(9)K
Solis S5-GR3P(10)K
Solis S5-GR3P(12)K
Solis S5-GR3P(13)K
Solis S5-GR3P(15)K
Solis S5-GR3P(17)K
Solis S5-GR3P(20)K
Solis S5-GR3P(23)K
Solis S5-GR3P(25)K
Solis S5-GR3P10K
Solis S5-GR3P20K-HV
Solis S6-GR1P0.7K-M(S5 for AU)
Solis S6-GR1P1.5K-M(S5 for AU)
Solis S6-GR1P1K-M(S5 for AU)
Solis S6-GR1P2.5K-M(S5 for AU)
Solis S6-GR1P2K-M(S5 for AU)
Solis S6-GR1P3.6K-M(S5 for AU)
Solis S6-GR1P3K-M(S5 for AU)
Solis S6-GR1P6k
Solis-1P4K-4G
Solis-1P5K-4G
Solis-1P7K-4G
Solis-1P8K-4G
Solis-1P9K-4G
Solis-1P10K-4G
Solis-3P5K-4G
Solis-3P5K-4G (AU)
Solis-3P5K-4G-LV
Solis-3P6K-4G
Solis-3P6K-4G (AU)
Solis-3P6K-4G-LV
Solis-3P8K-4G
Solis-3P8K-4G (AU)
Solis-3P9K-4G
Solis-3P9K-4G (AU)
Solis-3P10K-4G
Solis-3P10K-4G (AU)
Solis-3P10K-4G-LV
Solis-3P12K-4G
Solis-3P12K-4G (CN)
Solis-3P15K-4G
Solis-3P15K-4G (CN)
Solis-3P15K-4G-HV
Solis-3P17K-4G
Solis-3P20K-4G
Solis-6K
Solis-6K-LV
Solis-10K
Solis-10K-LV
Solis-15K
Solis-15K-LV
Solis-15K-LV-5G
Solis-20K
Solis-20K-HV
Solis-20K-LV
Solis-20K-LV-5G
Solis-23K-LV-5G
Solis-25K
Solis-25K-5G
Solis-25K-LV
Solis-25K-US
Solis-30K-5G
Solis-30K-LV
Solis-30K-US
Solis-30K/33K
Solis-33K-5G
Solis-36K-5G
Solis-36K-HV/-36K-US/-36K-US-SW
Solis-36K-US-F
Solis-40K-5G
Solis-40K-HV-5G
Solis-40K-HV/-40K-US/-40K-US-SW
Solis-40K-US-F
Solis-40K/-40K-US-F-SW
Solis-50K
Solis-50K-HV-5G
Solis-50K-HV-US-F
Solis-50K-HV/-50K-HV-US
Solis-50K-LV-5G
Solis-50K-US-F-SW
Solis-60K-4G
Solis-60K-4G-FB
Solis-60K-HV/-60K-US-F
Solis-60K-LV-5G
Solis-66K-US-F
Solis-70K-HV
Solis-70K-HV-4G
Solis-75K-5G-US
Solis-80K-5G
Solis-80K-5G-US
Solis-90K-5G-US
Solis-100-K-5G-PRO
Solis-100K-5G
Solis-100K-5G-PRO 20A 8MPPT
Solis-100k-5G-SA
Solis-100K-HV-5G
Solis-110-K-5G-PRO
Solis-110K-5G
Solis-110k-5G-SA
Solis-110K-BHV-5G
SOLIS-125K-EHV-5G 600V/1MPPT
SOLIS-125K-EHV-5G-US-PLUS
SOLIS-125K-EHV-5G-US-PLUS 30A/800V
SOLIS-125K-EHV-5G-US-PLUS Derate
SOLIS-125K-EHV-5G-US-PLUS IN
SOLIS-125K-EHV-5G-US-PLUS ON
Solis-125K-HV-5G
Solis-125K1-EHV-5G
Solis-185K-EHV-5G-US
Solis-185K-EHV-5G-US 26A/600V
Solis-185K-EHV-5G-US-PLUS
Solis-185K-EHV-5G-US-PLUS 30A/600V
SOLIS-215K-EHV-5G-PLUS 30A/800V
SOLIS-250K-EHV-5G 26A/800V
SOLIS-250K-EHV-5G-PLUS 30A/800V
Solis-255K-EHV-5G
Solis-255K-EHV-5G-(US) 26A/800V
Solis-255K-EHV-5G-(US)-PLUS 30A/800V
Solis-255K-EHV-5G-PLUS
Solis-Mini-700-4G
Solis-Mini-1000-4G
Solis-Mini-1500-4G
Solis-Mini-2000-4G
Solis-Mini-2500-4G
Solis-Mini-3000-4G

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

GoodWe

ET series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	39
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_E_EXP	Energy export from storage system DC
B_E_IMP	Energy import to storage system DC
B_I_DC	Current charging current DC
B_P_DC	Battery power
B_SOC	State of charge
B_SOH	State of health
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

GW5K-ET	GW6.5K-ET	GW8K-ET
GW10K-ET	GW15K-ET	GW20K-ET
GW25K-ET	GW29.9K-ET	GW40K-ET-10
GW50K-ET-10		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

GT series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

GT series

GW100K-GT	GW110K-GT	GW125K-GT

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	247

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

GW73KLV-HT	GW75K-HT	GW80K-HT
GW100K-HT	GW110K-HT	GW120K-HT
GW136K-HTH	GW225K-HT	GW225KN-HT
GW250K-HT	GW250KN-HT	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MT, XS, NS, DNS, HF, SDT-G2, SDT, DT, SMT

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	60
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ The SMT series supports the sunspec protocol from the 14th version of the standard software. You need to switch the protocol on the device to standard modbus (not SunSpec) for this driver.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DNS series

GW3000D-NS	GW3600D-NS	GW4200D-NS
GW5000D-NS	GW6000D-NS	

DT series

GW17K-DT	GW20K-DT	GW25K-DT

LVMT series

GW30KLV-MT	GW35KLV-MT	GW50KLV-MT

LVSMT series

GW15KLV-MT	GW20KLV-MT

MT series

GW50K-MT	GW50KBF-MT	GW50KN-MT
GW50KS-MT	GW60K-MT	GW60KBF-MT
GW60KN-MT	GW60KS-MT	GW70KHV-MT
GW80K-MT	GW80KBF-MT	GW80KHV-MT

NS series

GW1000-NS	GW1500-NS	GW2000-NS
GW3000-NS		

SDT series

GW10KN-DT	GW12KLN-DT	GW12KN-DT
GW15KN-DT	GW17KN-DT	GW20KN-DT
GW4000-DT	GW5000-DT	GW6000-DT
GW8000-GT		

SDT-G2 series

GW4K-DT	GW5K-DT	GW6K-DT
GW8K-DT	GW10KT-DT	GW12KT-DT
GW15KT-DT	GW17KT-DT	GW20KT-DT
GW25KT-DT		

SMT series

GW25K-MT	GW30K-MT	GW36K-MT

XS series

GW700-XS	GW1000-XS	GW1500-XS
GW2000-XS	GW2500-XS	GW3000-XS

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

UT series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	247

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

GW320K-UT	GW320KH-UT	GW350K-UT
GW350KH-UT		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

GPTech

PV series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	98
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PV500WD-INT-O	PV540WD-INT-O	PV630WD-INT-O
PV675WD-INT-O	PV750WD-INT-O	PV800WD-INT-O
PV900WD-INT-O	PV975WD-INT-O	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Growatt

750~3000 S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

750~3000 S series

750-S	1000-S	1500-S
2000-S	2500-S	3000-S

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

2500~5500 MTL-S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

2500~5500 MTL-S series

2500MTL-S	3000MTL-S	3600MTL-S
4200MTL-S	5000MTL-S	5500MTL-S

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

3000~6000 TL3-S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

3000~6000 TL3-S series

3000TL3-S	4000TL3-S	5000TL3-S
6000TL3-S		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

7000~11000 TL3-S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

7000~11000 TL3-S series

7000TL3-S	8000TL3-S	9000TL3-S
10000TL3-S	11000TL3-S	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

10000~20000 UE

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

10000~20000 UE series

10000UE	20000UE

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

12000~15000 TL3-S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

12000~15000 TL3-S series

12000TL3-S	13000TL3-S	15000TL3-S

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

17000~25000 TL3-S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

17000~25000 TL3-S series

17000TL3-S	20000TL3-S	25000TL3-S

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

30000~50000 TL3-S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only inverters with firmware 3.15 and higher get supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ To support Power Control the inverters need at least the firmware version 3.15.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

30000~50000 TL3-S series

30000TL3-S	33000TL3-S	40000TL3-S
50000TL3-S		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MAC xx KTL3 x LV

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MAC xx KTL3 x LV series

MAC 40KTL3-X LV	MAC 50KTL3-X LV	MAC 60KTL3-X LV

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MAC xx KTL3 x MV

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MAC xx KTL3 x MV series

MAC 50KTL3-X MV	MAC 60KTL3-X MV	MAC 70KTL3-X MV

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MAC xx KTL3 XL

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MAC xx KTL3 x LV series

MAC 20KTL3-XL	MAC 22KTL3-XL	MAC 25KTL3-XL
MAC 30KTL3-XL	MAC 36KTL3-XL	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	18
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MAX 1xx KTL3 X LV series

MAX 100KTL3-X LV
MAX 110KTL3-X LV
MAX 120KTL3-X LV
MAX 125KTL3-X LV

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MAX 50/60 KTL3 LV/MV series

MAX 50KTL3 LV	MAX 60KTL3 LV	MAX 60KTL3 MV

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MAX 50/75 KTL3 XL2

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MAX 50/75 KTL3 XL2 series

MAX 50KTL3-XL2	MAX 60KTL3-XL2	MAX 70KTL3-XL2
MAX 75KTL3-XL2		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MAX 70/80 KTL3 LV/MV series

MAX 70KTL3 LV	MAX 70KTL3 MV	MAX 80KTL3 LV
MAX 80KTL3 MV		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MID 15-22 KTL3-X

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MID 15-22 KTL3-X series

MID 15KTL3-X	MID 17KTL3-X	MID 20KTL3-X
MID 22KTL3-X		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MID 25-33 KTL3-X

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MID 25-33 KTL3-X series

MID 25KTL3-X1	MID 30KTL3-X	MID 33KTL3-X

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MID 36-40 KTL3-X

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MID 36-40 KTL3-X series

MID 36KTL3-X	MID 40KTL3-X

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MID 7000-8000 TL-X(E)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MID 7000-8000 TL-X(E) series

MIN 7000TL-X(E)	MIN 8000TL-X(E)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MID 9000-10000 TL-X

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MID 9000-10000 TL-X series

MIN 9000TL-X	MIN 10000TL-X

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MOD 12-15K TL3-X

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MOD 12-15K TL3-X series

MOD 12KTL3-X	MOD 13KTL3-X	MOD 15KTL3-X

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MOD 3000-10K TL3-XH

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MOD 3000-10K TL3-XH series

MOD 10KTL3-XH	MOD 3000TL3-XH	MOD 4000TL3-XH
MOD 5000TL3-XH	MOD 6000TL3-XH	MOD 7000TL3-XH
MOD 8000TL3-XH	MOD 9000TL3-XH	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SPA xxxx TL-BL

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SPA xxxx TL-BL series

SPA1000TL-BL	SPA2000TL-BL	SPA3000TL-BL

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SPA xxxx TL3-BH

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SPA xxxx TL3-BH series

SPA 4000 TL3 BH	SPA 5000 TL3 BH	SPA 6000 TL3 BH
SPA 7000 TL3 BH	SPA 8000 TL3 BH	SPA 10000 TL3 BH

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SPH xxxx

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SPH xxxx series

SPH3000	SPH3600	SPH4000
SPH4600	SPH5000	SPH6000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SPH xxxx TL3-BH

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	23
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SPH xxxx TL3-BH series

SPH4000TL3 BH	SPH5000TL3 BH	SPH6000TL3 BH
SPH7000TL3 BH	SPH8000TL3 BH	SPH10000TL3 BH

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please note when using "Reactive power control - Q control" that the inverters are only capable of receiving absolute setpoints (-1000 ...+1000 kVAr). Besides the values sent are not linked to the nominal power of the single inverters. As via blue'Log only relative setpoints can get configured, so the setpoints sent need to be converted. e.g. 100% configured on blue'Log would mean that inverter provides 1000kVAr.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

HS80	HS100	HS120
HS150	HS200	HS250
HSI200	HSI250	HSI420
HSI500	HSI550	HSI640

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Hitachi

HIVERTER

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	SOFAR_SOLAR_MODBUS_ETHERNET
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	SOFAR_SOLAR_MODBUS_RTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note for connection via Modbus TCP/Modbus RTU some inverters from SOFARSOLAR only support Client (Slave IDs) / bus addresses from 1-31. Please check with SOFARSOLAR for more information.

ⓘ The ME 5..20K hybrid inverters may use port 8899 instead of 502 for Modbus TCP.

ⓘ Some models only support up to 31 devices.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ For the G3/G4 hybrid series the driver still has beta status. The battery measurement values listed may not be available.
ⓘ The ME 5..20K hybrid inverters can be setup in a master slave configuration. If this is the case only the master ME 5..20K hybrid inverter has a P_AC value > 0 W and shows the sum off all other slave inverters. While the slave inverters show only 0 W for P_AC.

SUPPORTED DEVICES

Sofar 1-70KTL series

3...6KTLM	3...6KTLM-G2	3.3...12KTL-X
7.5KTLM	10...15KTL-G2	10...20KTL
20...33KTL-G2	30...40KTL	30...40KTL-G2
50...70KT	50...70KTL-G2	1000...3000TL
1100...3300TL-G3	HYD 3000...6000-EP	

ⓘ Only inverter models with less than 50kW rated power with firmware version >= 2.72 get supported.
ⓘ Only inverter models with 50kW or more rated power with firmware version >= 2.40 get supported.
ⓘ SOFARSOLAR Hybrid devices can contain multiple battery modules. Depending on the amount of modules the total amount of devices that can be connected to one blue'Log varies. One hybrid inverter can result in up to 13 devices on the blue'Log.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

HIVERTER NP201i Series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	96
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

250 kW	500 kW	630 kW
670 kW	715 kW	1000 kW
1250 kW	1340 kW	1430 kW
2500 kW		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Hopewind

ESHV 250K

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_LIM_I_CHARGE	Maximum charging current
B_LIM_I_DISCHARGE	Maximum discharging current
B_LIM_P_CHARGE	Maximum charging power
B_LIM_P_DISCHARGE	Maximum discharging power
B_P_DC	Battery power
B_SOC	State of charge
B_SOH	State of health
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ESHV 250K

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

HSHV Series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

HSHV Series

ⓘ HSHV320K-G02, HSHV330K-G02, HSHV350K-G02, HSHV385K-G02

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

HSNV series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

HSNV25K-G01	HSNV30K-G01	HSNV33K-G01
HSNV36K-G01	HSNV40K-G01	HSNV50K-G01
HSNV60K-G01	HSNV70K-G01	HSNV75K-G01
HSNV100K-G01	HSNV110K-G01	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Huawei
SUN2000

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	41
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Direct connection of Huawei inverters to blue'Log via RS485 (Modbus RTU).
ⓘ When using Huawei SmartLogger:
- connection of SmartLogger to blue'Log via Ethernet (Modbus TCP)
- blue'Log needs to be registered in the "Whitelist" of the SmartLogger
- blue'Log is compatible to SmartLogger 1000, 2000, 3000 series. Independent of the SmartLogger it's important that the inverter is compatible and has a supported firmware installed (check supported devices)
- set on the Smartlogger in section Settings/Modbus TCP/Link setting "Enable(Unlimited)" and enter IP address of the blue'Log
- SmartLogger address needs to be set to 0

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ If inverters connected to SmartLogger "Enable" active/reactive power control in Settings of SmartLogger.
Set "Active/Reactive power control mode" to: "Remote scheduling" on the SmartLogger.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SUN2000 series

SUN2000-3KTL-M0	SUN2000-3KTL-M1	SUN2000-4KTL-M0
SUN2000-4KTL-M1	SUN2000-5KTL-M0	SUN2000-5KTL-M1
SUN2000-6KTL-M0	SUN2000-6KTL-M1	SUN2000-8KTL
SUN2000-8KTL-M0	SUN2000-8KTL-M1	SUN2000-8KTL-M2
SUN2000-10KTL	SUN2000-10KTL-M0	SUN2000-10KTL-M1
SUN2000-10KTL-M2	SUN2000-12K-MB0	SUN2000-12KTL
SUN2000-12KTL-M0	SUN2000-12KTL-M1	SUN2000-12KTL-M2
SUN2000-12KTL-M5	SUN2000-15K-MB0	SUN2000-15KTL
SUN2000-15KTL-M0	SUN2000-15KTL-M2	SUN2000-15KTL-M3
SUN2000-15KTL-M5	SUN2000-15KTL-ZHM5	SUN2000-17K-MB0
SUN2000-17KTL	SUN2000-17KTL-M0	SUN2000-17KTL-M2
SUN2000-17KTL-M3	SUN2000-17KTL-M5	SUN2000-17KTL-ZHM5
SUN2000-20K-MB0	SUN2000-20KTL	SUN2000-20KTL-M0
SUN2000-20KTL-M2	SUN2000-20KTL-M3	SUN2000-20KTL-M5
SUN2000-20KTL-ZHM5	SUN2000-23KTL	SUN2000-23KTL-M3
SUN2000-24.5KTL	SUN2000-24.7KTL-JP	SUN2000-25K-MB0
SUN2000-25KTL-M5	SUN2000-25KTL-NAM3	SUN2000-25KTL-US
SUN2000-25KTL-ZHM5	SUN2000-28KTL	SUN2000-28KTL-M3
SUN2000-29.9KTL	SUN2000-29.9KTL-M3	SUN2000-30KTL-A
SUN2000-30KTL-M3	SUN2000-30KTL-NAM3	SUN2000-33KTL
SUN2000-33KTL-A	SUN2000-33KTL-E001	SUN2000-33KTL-JP
SUN2000-33KTL-NAM3	SUN2000-33KTL-US	SUN2000-36KTL
SUN2000-36KTL-M3	SUN2000-36KTL-NAM3	SUN2000-36KTL-US
SUN2000-40KTL	SUN2000-40KTL-JP	SUN2000-40KTL-M3
SUN2000-40KTL-NAM3	SUN2000-40KTL-US	SUN2000-42KTL
SUN2000-42KTL-M3	SUN2000-43KTL-IN-C1	SUN2000-43KTL-INM3
SUN2000-44KTL-M3	SUN2000-45KTL-US-HV-D0	SUN2000-50KTL
SUN2000-50KTL-C1	SUN2000-50KTL-JPM0	SUN2000-50KTL-JPM1
SUN2000-50KTL-M0	SUN2000-50KTL-M3	SUN2000-55KTL-HV-D1
SUN2000-55KTL-HV-D1-001	SUN2000-55KTL-IN-HV-D1	SUN2000-60KTL-HV-D1
SUN2000-60KTL-HV-D1-001	SUN2000-60KTL-M0	SUN2000-63KTL-JPH0
SUN2000-63KTL-JPM0	SUN2000-65KTL-M0	SUN2000-70KTL-C1
SUN2000-70KTL-INM0	SUN2000-75KTL-C1	SUN2000-90KTL-H0
SUN2000-90KTL-H1	SUN2000-90KTL-H2	SUN2000-95KTL-INH0
SUN2000-95KTL-INH1	SUN2000-100KTL-H0	SUN2000-100KTL-H1
SUN2000-100KTL-H2	SUN2000-100KTL-INM0	SUN2000-100KTL-M0
SUN2000-100KTL-M1	SUN2000-100KTL-M2	SUN2000-100KTL-USH0
SUN2000-105KTL-H0	SUN2000-105KTL-H1	SUN2000-105KTL-USH0
SUN2000-110KTL-M0	SUN2000-110KTL-M2	SUN2000-111KTL-NHM0
SUN2000-115KTL-M2	SUN2000-125KTL-JPH0	SUN2000-125KTL-M0
SUN2000-150K-MG0	SUN2000-150K-MG0-ZH	SUN2000-168KTL-H1
SUN2000-175KTL-H0	SUN2000-185KTL-H1	SUN2000-185KTL-INH0
SUN2000-193KTL-H0	SUN2000-196KTL-H0	SUN2000-196KTL-H3
SUN2000-200KTL-H2	SUN2000-200KTL-H3	SUN2000-215KTL-H0
SUN2000-215KTL-H3	SUN2000-250KTL-H1	SUN2000-250KTL-H3
SUN2000-280KTL-H0	SUN2000-300KTL-H0	SUN2000-330KTL-H1
SUN2000-330KTL-H2	SUN5000-150K-MG0	SUN5000-150K-MG0-ZH

ⓘ Only the following inverter firmwares get supported:
SUN2000 V100R001
SUN2000 V200R001
SUN2000 V200R002
SUN2000 V300R001
SUN2000 V500R001
SUN2000HA V100R001
SUN2000MA V100R001

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SUN2000 Smart Dongle

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	5 seconds
Delay:	0.3 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SUN2000 series

SUN2000-3KTL-M0	SUN2000-3KTL-M1	SUN2000-4KTL-M0
SUN2000-4KTL-M1	SUN2000-5KTL-M0	SUN2000-5KTL-M1
SUN2000-6KTL-M0	SUN2000-6KTL-M1	SUN2000-8KTL
SUN2000-8KTL-M0	SUN2000-8KTL-M1	SUN2000-8KTL-M2
SUN2000-10KTL	SUN2000-10KTL-M0	SUN2000-10KTL-M1
SUN2000-10KTL-M2	SUN2000-12K-MB0	SUN2000-12KTL
SUN2000-12KTL-M0	SUN2000-12KTL-M1	SUN2000-12KTL-M2
SUN2000-12KTL-M5	SUN2000-15K-MB0	SUN2000-15KTL-M0
SUN2000-15KTL-M2	SUN2000-15KTL-M3	SUN2000-15KTL-M5
SUN2000-15KTL-ZHM5	SUN2000-17K-MB0	SUN2000-17KTL-M0
SUN2000-17KTL-M2	SUN2000-17KTL-M3	SUN2000-17KTL-M5
SUN2000-17KTL-ZHM5	SUN2000-20K-MB0	SUN2000-20KTL-M0
SUN2000-20KTL-M2	SUN2000-20KTL-M3	SUN2000-20KTL-M5
SUN2000-20KTL-ZHM5	SUN2000-23KTL-M3	SUN2000-25K-MB0
SUN2000-25KTL-M5	SUN2000-25KTL-NAM3	SUN2000-25KTL-ZHM5
SUN2000-28KTL-M3	SUN2000-29.9KTL-M3	SUN2000-30KTL-M3
SUN2000-30KTL-NAM3	SUN2000-33KTL-NAM3	SUN2000-36KTL-M3
SUN2000-36KTL-NAM3	SUN2000-40KTL-M3	SUN2000-40KTL-NAM3
SUN2000-42KTL-M3	SUN2000-43KTL-INM3	SUN2000-44KTL-M3
SUN2000-50KTL-JPM0	SUN2000-50KTL-JPM1	SUN2000-50KTL-M0
SUN2000-50KTL-M3	SUN2000-60KTL-M0	SUN2000-63KTL-JPH0
SUN2000-63KTL-JPM0	SUN2000-65KTL-M0	SUN2000-70KTL-C1
SUN2000-70KTL-INM0	SUN2000-75KTL-C1	SUN2000-90KTL-H0
SUN2000-90KTL-H1	SUN2000-90KTL-H2	SUN2000-95KTL-INH0
SUN2000-95KTL-INH1	SUN2000-100KTL-H0	SUN2000-100KTL-H1
SUN2000-100KTL-H2	SUN2000-100KTL-INM0	SUN2000-100KTL-M0
SUN2000-100KTL-M1	SUN2000-100KTL-M2	SUN2000-100KTL-USH0
SUN2000-105KTL-H0	SUN2000-105KTL-H1	SUN2000-105KTL-USH0
SUN2000-110KTL-M0	SUN2000-110KTL-M2	SUN2000-111KTL-NHM0
SUN2000-115KTL-M2	SUN2000-125KTL-JPH0	SUN2000-125KTL-M0
SUN2000-150K-MG0	SUN2000-150K-MG0-ZH	SUN2000-168KTL-H1
SUN2000-175KTL-H0	SUN2000-185KTL-H1	SUN2000-185KTL-INH0
SUN2000-193KTL-H0	SUN2000-196KTL-H0	SUN2000-196KTL-H3
SUN2000-200KTL-H2	SUN2000-200KTL-H3	SUN2000-215KTL-H0
SUN2000-215KTL-H3	SUN2000-250KTL-H1	SUN2000-250KTL-H3
SUN2000-280KTL-H0	SUN2000-300KTL-H0	SUN2000-330KTL-H1
SUN2000-330KTL-H2	SUN5000-150K-MG0	SUN5000-150K-MG0-ZH

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Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SUN2000L

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ When using Huawei SmartLogger:
- connection of SmartLogger to blue'Log via Ethernet (Modbus TCP)
- blue'Log needs to be registered in the "Whitelist" of the SmartLogger
- blue'Log is compatible to SmartLogger 3000 series.
- set on the Smartlogger in section Settings/Modbus TCP/Link setting "Enable(Unlimited)" and enter IP address of the blue'Log
- SmartLogger address needs to be set to 0

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SUN2000L series

SUN2000-2KTL	SUN2000-2KTL-L0	SUN2000-2KTL-L1
SUN2000-3.8KTL-US	SUN2000-3.8KTL-US-4G	SUN2000-3.68KTL
SUN2000-3.68KTL-L1	SUN2000-3KTL	SUN2000-3KTL-CN
SUN2000-3KTL-CN-4G	SUN2000-3KTL-CNL0	SUN2000-3KTL-L0
SUN2000-3KTL-L1	SUN2000-4.6KTL	SUN2000-4.6KTL-L1
SUN2000-4.95KTL-JP	SUN2000-4.95KTL-JPL0	SUN2000-4.95KTL-JPL1
SUN2000-4.95KTL-NHL2	SUN2000-4.125KTL-JP	SUN2000-4KTL
SUN2000-4KTL-CN	SUN2000-4KTL-CN-4G	SUN2000-4KTL-CNL0
SUN2000-4KTL-L0	SUN2000-4KTL-L1	SUN2000-5KTL
SUN2000-5KTL-CN	SUN2000-5KTL-CN-4G	SUN2000-5KTL-CNL0
SUN2000-5KTL-L0	SUN2000-5KTL-L1	SUN2000-5KTL-US
SUN2000-5KTL-US-4G	SUN2000-6KTL-CNL0	SUN2000-6KTL-L1
SUN2000-7.6KTL-US	SUN2000-7.6KTL-US-4G	SUN2000-7.6KTL-US-Zb
SUN2000-9KTL-US	SUN2000-9KTL-US-4G	SUN2000-10KTL-USL0
SUN2000-11.4KTL-US	SUN2000-11.4KTL-US-4G	

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COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	2 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Ingecon Sun 1PLAY TL M series

5 TL M	6 TL M

Ingecon Sun 3PLAY 100TL series

TL 100kW	TL 160kW

Ingecon Sun 3PLAY TL series

10 TL M	15 TL M	20 TL M
24 TL U M480	33 TL M	40 TL M480

Ingecon Sun 3PLAY TL M series

10 TL	20 TL	33 TL
330 TL M12	350 TL M12	

Ingecon Sun C Series series

3825TL C430	3825TL C645

Ingecon Sun Lite series

2.5	2.5 TL	3 TL
3.3	3.3 TL	3.8 TL
3.68 TL	4.6 TL	5
5 TL	6 TL	

Ingecon Sun Power series

50	60	70
80	90	100
100 TL	125 TL	150 TL
180 TL	200 TL	210 TL

Ingecon Sun PowerMax B series

830 TL B300	890 TL B320	915 TL B330
1000 TL B360	1070 TL B385	1080 TL B390
1110 TL B400	1140 TL B410	1165 TL B420
1170 TL B450	1190 TL B430	1220 TL B440
1250 TL B450	1275 TL B460	1400 TL B540
1500 TL B578	1560 TL B600	1600 TL B615
1640 TL B630	1665 TL B640	1690 TL B650
1740 TL B670	1800 TL B690	

Ingecon Sun PowerMax M series

250 TL M220	275 TL M220	315 TL M275
315HE TL M275	350 TL M275	365 TL M320
365HE TL M320	375 TL M220	375 TL NAC M220
380 TL M300	400 TL M320	400 TL M345
400HE TL M345	410 TL M220	420 TL M360
420HE TL M360	440 TL M345	460 TL M360
500 TL M275	500 TL M400	500 TL NAC M220
500HE TL M275	500HE TL NAC M275	520 TL M275
535 TL M420	550 TL M220	550 TL M320
550HE TL M320	550HE TL NAC M320	570 TL M300
600 TL M345	600HE TL M345	600HE TL NAC M345
605 TL M320	625 TL M275	625HE TL M275
625HE TL NAC M275	630 TL M360	630HE TL M360
630HE TL NAC M360	660 TL M345	690 TL M360
695 TL M275	730 TL M320	730HE TL M320
730HE TL NAC M320	750 TL M400	760 TL M300
800 TL M320	800 TL M345	800HE TL M345
800HE TL NAC M345	805 TL M420	840 TL M360
840HE TL M360	840HE TL NAC M360	880 TL M345
920 TL M360	1000 TL M400	1070 TL M420

Ingecon Sun PowerMax X series

275 TL X220	350 TL X275	380 TL X300
400 TL X320	410 TL X220	440 TL X345
460 TL X360	500 TL X400	520 TL X275
535 TL X420	550 TL X220	570 TL X300
605 TL X320	660 TL X345	690 TL X360
695 TL X275	750 TL X400	760 TL X300
800 TL X320	805 TL X420	880 TL X345
920 TL X360	1000 TL X400	1070 TL X420

Ingecon Sun Smart series

10kW	12.5kW	15kW
18kW	20kW	25kW
30kW	50kW	69kW
70kW	80kW	90kW
100kW		

Ingecon Sun Smart TL series

10 TL	12.5 TL	15 TL
18 TL		

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Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

INVT Solar

XG Series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	46
Protocol:	ModbusRTU
Bus speed:	9600 bps, 38400 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

XG3KTR	XG4KTR	XG5KTR
XG6KTR	XG8KTR	XG9KTR
XG10KTR	XG11KTR	XG12KTR
XG15KTR1	XG50KTR(L)	XG60KTR(L)
XG66KTRL	XG70KTRL	XG100KTR(-F)
XG110KTR(-F)	XG136KTR-L/LF/X/XF	

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Jema

IF 20 / 25 / 30

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IF 20 / 25 / 30

Please contact Sales for details of compatibility with devices not listed.
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IF 50 / 80 / 100

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IF 50 / 80 / 100

Please contact Sales for details of compatibility with devices not listed.
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IF500

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note Jema IF500 devices consist of two inverter modules. During the scan the blue'Log will create an inverter device for each inverter module.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Jema provides the value E_TOTAL for each IF500 via the first inverter module. There are no E_TOTAL values available for the individual inverter modules.

SUPPORTED DEVICES

IF500

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Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF700

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IF700

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF730

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IF730

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF765

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IF765

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF800

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IF800

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF1050

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IF1050

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF1100

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IF1100

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF1150

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IF1150

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IF1200

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IF1200

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

KACO new energy

blueplanet 3NX500 Series (Connection via NX Utility AI Manager)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
E_YEAR	Energy generated per year
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_TOTAL	Operation hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

blueplanet 360 NX3 M6 WM OD IISX

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Blueplanet NX1 M2 Series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	77
Protocol:	ModbusRTU
Bus speed:	2400 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

blueplanet NX1 M2 series

blueplanet 3.0 NX1 M2	blueplanet 3.7 NX1 M2	blueplanet 4.0 NX1 M2
blueplanet 5.0 NX1 M2		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

NX3 Series (KACO protocol)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	30
Protocol:	KACO
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ While the Wifi stick is inserted into the NX3 device, communication via the serial bus connected to the blue'Log is not available and received data may be corrupted.
ⓘ Each of the following inverters 20000xi, 25000xi, 30000xi and 33000xi consists of three power modules which data need to be requested individually. Therefore the total amount of those inverters connected to one RS485 bus is limited to 12. (1 "xi" inverter = 1 device)

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteocontrol recommendation is 1000 ms or higher.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

blueplanet 3.0NX3 M2	blueplanet 5.0NX3 M2	blueplanet 8.0NX3 M2
blueplanet 10.0NX3 M2	blueplanet 12.0NX3 M2	blueplanet 15.0NX3 M2
blueplanet 20.0NX3 M2	blueplanet 25.0NX3 M2	blueplanet 30.0NX3 M2
blueplanet 33.0NX3 M2	blueplanet 50.0 NX3 M5 WM OD IIG0	blueplanet 60.0 NX3 M5 WM OD IIG0
blueplanet 100 NX3 M8 IEC	blueplanet 125 NX3 M10 IEC	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

NX3 Series (SunSpec)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	51
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7N2, 7E1, 7E2, 7O1, 7O2, 8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ While the Wifi stick is inserted into the NX3 device, communication via the serial bus connected to the blue'Log is not available and received data may be corrupted.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

blueplanet 3.0 NX3	blueplanet 5.0 NX3	blueplanet 8.0 NX3
blueplanet 10.0 NX3	blueplanet 15.0 NX3	blueplanet 20.0 NX3
blueplanet 25.0 NX3	blueplanet 30.0 NX3	blueplanet 33.0 NX3
blueplanet 50.0 NX3 M5 WM OD IIG0	blueplanet 60.0 NX3	blueplanet 60.0 NX3 M5 WM OD IIG0
blueplanet 100 NX3 M8 IEC	blueplanet 125 NX3 M10 IEC	blueplanet 125.0 NX3
blueplanet NX3 M2 WM OD II G0		

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Powador TL3, blueplanet (SunSpec)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please make sure to enable the "Modbus TCP write access" via the inverters display in case the devices should get used for Power Control.
ⓘ Please make sure to enable the "Leistungbegrenzung"/Power Limitation via the UI of the inverter under "Leistungsbegrenzung"/Power limitation -> "extern"/external -> "Leistungsbegrenzung"/Power Limitation in case the device should get used for Power Control.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ For Kaco inverters with additional string monitoring technology the SunSpec String Combiner Model 404 is also supported.

SUPPORTED DEVICES

blueplanet series

blueplanet 2.0 TL1	blueplanet 2.6 TL1	blueplanet 3.0 TL1
blueplanet 3.0 TL3	blueplanet 3.5 TL1	blueplanet 3.7 TL1
blueplanet 4.0 TL1	blueplanet 4.0 TL3	blueplanet 4.6 TL1
blueplanet 5.0 TL1	blueplanet 5.0 TL3	blueplanet 6.5 TL3
blueplanet 7.5 TL3	blueplanet 8.6 TL3	blueplanet 9.0 TL3
blueplanet 10.0 TL3	blueplanet 10.0 TL3 INT	blueplanet 10.0 TL3 M2
blueplanet 12.0 TL3	blueplanet 14.0 TL3	blueplanet 15.0 TL3
blueplanet 18.0 TL3	blueplanet 20.0 TL3	blueplanet 23.0 TL3
blueplanet 29.0 TL3 WM	blueplanet 30.0 TL3 WM	blueplanet 32.0 TL3 M1
blueplanet 32.0 TL3 M3	blueplanet 40.0 TL3 M1	blueplanet 40.0 TL3 M3
blueplanet 50.0 TL3	blueplanet 50.0 TL3 M1	blueplanet 50.0 TL3 M3
blueplanet 50.0 TL3 RPO	blueplanet 50.0 TL3 WM	blueplanet 50.0 TL3 XLF
blueplanet 60.0 TL3 M1	blueplanet 60.0 TL3 M3	blueplanet 60.0 TL3 WM
blueplanet 87 TL3	blueplanet 87.0 TL3 - S	blueplanet 92 TL3
blueplanet 92.0 TL3 - S	blueplanet 100 TL3	blueplanet 100.0 TL3 - S
blueplanet 105 TL3	blueplanet 105.0 TL3 - S	blueplanet 110 TL3
blueplanet 110 TL3 - S	blueplanet 125 TL3	blueplanet 125 TL3 - S
blueplanet 125 TL3 - US	blueplanet 125 TL3 (C-Sample)	blueplanet 137 TL3
blueplanet 137 TL3 - S	blueplanet 150 TL3	blueplanet 150 TL3 - S
blueplanet 155 TL3	blueplanet 155 TL3 - S	blueplanet 165 TL3
blueplanet 165 TL3 - S	blueplanet gridsave 14.0 TL3	blueplanet gridsave 50 TL3 - I
blueplanet gridsave 50 TL3 - S	blueplanet gridsave 87 TL3 - S	blueplanet gridsave 92 TL3 - S
blueplanet gridsave 110 TL3 - S	blueplanet gridsave 125 TL3 - S	blueplanet gridsave 137 TL3 - S
blueplanet gs 50.0 TL3S - B/M	blueplanet gs 50.0 TL3S - L/XL	blueplanet gs 50.0 TL3S - SECL
bp voltage source 50 TL3	bp voltage source 50.0 TL3	BQ 125 TL3

Powador series

Powador 6.0 TL3	Powador 7.8 TL3	Powador 9.0 TL3
Powador 10.0 TL3	Powador 12.0 TL3	Powador 14.0 TL3
Powador 18.0 TL3	Powador 20.0 TL3	Powador 30.0 TL3
Powador 33.0 TL3	Powador 36.0 TL3	Powador 36.0 TL3 M1
Powador 37.5 TL3	Powador 39.0 TL3	Powador 39.0 TL3 M1
Powador 39.0 TL3 ZA	Powador 40.0 TL3	Powador 48.0 TL3
Powador 48.0 TL3 Park	Powador 50.0 TL3	Powador 60.0 TL3
Powador 72.0 TL3	Powador 72.0 TL3 Park	

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Powador, blueplanet (KACO protocol)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	30
Protocol:	KACO
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Each of the following inverters 20000xi, 25000xi, 30000xi and 33000xi consists of three power modules which data need to be requested individually. Therefore the total amount of those inverters connected to one RS485 bus is limited to 12. (1 "xi" inverter = 1 device)

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteocontrol recommendation is 1000 ms or higher.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T	Temperature
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

blueplanet series

- blueplanet 2.0 TL1
- blueplanet 2.6 TL1
- blueplanet 3.0 TL1 M1
- blueplanet 3.0 TL1 M2
- blueplanet 3.0 TL3
- blueplanet 3.5 TL1
- blueplanet 3.7 TL1
- blueplanet 4.0 TL1
- blueplanet 4.0 TL3
- blueplanet 4.6 TL1
- blueplanet 5.0 TL1
- blueplanet 5.0 TL3
- blueplanet 6.5 TL3
- blueplanet 7.5 TL3
- blueplanet 8.6 TL3 INT
- blueplanet 9.0 TL3
- blueplanet 10.0 TL3 INT
- blueplanet 15.0 TL3
- blueplanet 20.0 TL3
- blueplanet 29.0 TL3 WM
- blueplanet 32.0 TL3 M1 OD
- blueplanet 32.0 TL3 M3 OD
- blueplanet 40.0 TL3 M1 OD
- blueplanet 40.0 TL3 M3 OD
- blueplanet 50.0 TL3 M1 OD
- blueplanet 50.0 TL3 M3 OD
- blueplanet 50.0 TL3 RPO
- blueplanet 50.0 TL3 WM
- blueplanet 50.0 TL3 XLF
- blueplanet 60.0 TL3 M1 OD
- blueplanet 60.0 TL3 M3 OD
- blueplanet 87 TL3
- blueplanet 92 TL3
- blueplanet 100 TL3
- blueplanet 105 TL3
- blueplanet 110 TL3
- blueplanet 125 TL3
- blueplanet 137 TL3
- blueplanet 150 TL3
- blueplanet 155 TL3
- blueplanet 165 TL3
- blueplanet 750 TL3
- blueplanet 875 TL3
- blueplanet 1000 TL3
- blueplanet 1502xi
- blueplanet 2502xi
- blueplanet 2901xi
- blueplanet 3502xi
- blueplanet 3601xi
- blueplanet 5002xi
- blueplanet 6400M
- blueplanet 6400xi supreme
- blueplanet 7600M
- blueplanet 7600xi supreme
- blueplanet gridsave 50.0 TL3
- blueplanet gridsave 87 TL3-S
- blueplanet gridsave 92 TL3-S
- blueplanet gridsave 110 TL3-S
- blueplanet gridsave 125 TL3-S
- blueplanet gridsave 137 TL3-S
- blueplanet PVI
- blueplanet XP10U-H4
- blueplanet XP10U-H6
- blueplanet XP83U-H6
- blueplanet XP90U-H6
- blueplanet XP100U-H2
- blueplanet XP100U-H4
- blueplanet XP100U-H6
- bp voltage source 50.0 TL3
- BQ 125 TL3
- PVI 1501i
- PVI 2500i
- PVI 2600-2.0
- PVI 2600-2.6
- PVI 3500i
- PVI 4000
- PVI 4000i
- PVI 4500i
- PVI 5000
- PVI 5000i

Powador series

blueplanet 23.0 TL3	blueplanet 30.0 TL3 WM	blueplanet 60.0 TL3 WM
blueplanet gridsave 14.0 TL3	blueplanet gridsave 50 TL3-I	blueplanet gridsave 50 TL3-S
blueplanet gs 50.0 TL3S-B/M	bp voltage source 50 TL3	Powador 6.0 TL3
Powador 7.8 TL3	Powador 9.0 TL3	Powador 10.0 TL3
Powador 12.0 TL3	Powador 14.0 TL3	Powador 14.0 TR3
Powador 16.0 TR3	Powador 18.0 TL3	Powador 18.0 TR3
Powador 20.0 TL3	Powador 30.0 TL3	Powador 30.0 TL3Y
Powador 33.0 TL3	Powador 36.0 TL3	Powador 36.0 TL3 M1
Powador 37.5 TL3	Powador 37.5 TL3Y	Powador 39.0 TL3
Powador 39.0 TL3 M1	Powador 39.0 TL3Y	Powador 40.0 TL3
Powador 48.0 TL3 Park	Powador 50.0 TL3	Powador 52.0 TL3
Powador 60.0 TL3	Powador 72.0 TL3 Park	Powador 78.0 TL3
Powador 1501xi	Powador 2002	Powador 2500xi
Powador 2501xi	Powador 3000 SE	Powador 3000xi
Powador 3002	Powador 3200	Powador 3500xi
Powador 3501xi	Powador 3600xi	Powador 4000 supreme
Powador 4000xi	Powador 4200	Powador 4202
Powador 4400	Powador 4500xi	Powador 4501xi
Powador 5000xi	Powador 5001xi	Powador 5002
Powador 5300	Powador 5300 supreme	Powador 5500
Powador 6002	Powador 6400 supreme	Powador 6400xi
Powador 6400xi Thinfilm	Powador 6400xi Thinfilm HV	Powador 6600
Powador 6650 supreme	Powador 6650xi	Powador 6650xi Thinfilm
Powador 6650xi Thinfilm HV	Powador 7200 supreme	Powador 7200xi
Powador 7200xi Thinfilm HV	Powador 7700	Powador 7700 supreme
Powador 7900	Powador 7900 supreme	Powador 8000 supreme
Powador 8000xi	Powador 8000xi Thinfilm	Powador 8000xi Thinfilm HV
Powador 8600	Powador 8600 supreme	Powador 9600
Powador 9600 supreme	Powador 20000xi	Powador 25000xi
Powador 30000xi	Powador 33000xi	Powador XP100 (100k)
Powador XP100 (100k0)	Powador XP100 (XP100)	Powador XP100-HV
Powador XP200-HV	Powador XP200-HV TL	Powador XP250-HV
Powador XP250-HV TL	Powador XP350-HV TL	Powador XP500-HV TL
Powador XP500-HV TL OD	Powador XP550-HV TL	Powador XP550-HV TL OD

Schueco series

SGI 9k	SGI 10k	SGI 12k
SGI 13,5k-T	SGI 15k-T	SGI 25k-02 Home
SGI 30k	SGI 30k-02 Home	SGI 33k
SGI 33k-02 Home	SGI 1500T	SGI 1500Tplus-02
SGI 2000	SGI 2000plus-02	SGI 2500
SGI 2500plus-02	SGI 2500Tplus-02	SGI 3000
SGI 3000plus-02	SGI 3500	SGI 3500plus-02
SGI 3500T	SGI 3500Tplus-02	SGI 4000
SGI 4000plus-02	SGI 4000Tplus-02	SGI 4500
SGI 4500plus-02	SGI 4500T	SGI 4500Tplus-02
SGI 5500	SGI 5500plus-02	

SunPower series

SPR-2600K-TL-1	SPR-3600K-TL-1	SPR-4600K-TL-1
SPR-5500K-TL-1	SPR-9000K-TL3	SPR-10000K-TL3
SPR-12500K-TL3		

Sunset series

SUN3Grid 3000	SUN3Grid 3000-02	SUN3Grid 4000
SUN3Grid 4000-02	SUN3Grid 5000	SUN3Grid 5000-02
SUN3Grid 6000	SUN3Grid 6000-02	SUN3Grid 8000
SUN3Grid 8000-02	SUNstring 3000	SUNstring 3000-02
SUNstring 4000	SUNstring 4000-02	SUNstring 5000
SUNstring 5000-02		

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COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SPI30K-B	SPI33K-B	SPI36K-B
SPI40K-B	SPI50K-A	SPI50K-B
SPI60K-B	SPI100K-A	SPI100K-B
SPI110K-B	SPI125K-B	SPI175K-B-H
SPI200K-B-H	SPI225K-B-H	SPI250K-B-H
SPI320K-B-H	SPI320K-B-H1	SPI350K-B-H
SPI350K-B-H1	SPI500K-B	SPI630K-B
SPI800K-B	SPI1250K-B-H	SPI1500K-B-H

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E-mail: sales@meteocontrol.com

Kopp

Kuara 3H-Series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	63
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Kuara 6.0-3H	Kuara 8.0-3H	Kuara 10-3H
Kuara 12-3H		

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Kuara R-Series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Kuara 75.0-9-R	Kuara 100.0-9-R	Kuara 110.0-10-R

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COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	1
Protocol:	FOXESS
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only one T-Series inverter can be connected per RS485 interface on the blue'Log XM / XC base module or the extension module MX-Module RS485/422.
ⓘ To ensure uninterrupted communication, the inverter should be configured with the German grid code VDE4105.
ⓘ Only inverter with T-G3 manager version 1.22 and later or T-G2 manager version 1.35 and later are supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Kuara 6.0-2-T	Kuara 8.0-2-T	Kuara 10-2-T
Kuara 12-2-T	Kuara 15-2-T	Kuara 20-2-T
Kuara 25.0-T		

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Kostal
PIKO

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	KOSTAL
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	0.2 seconds
Delay:	0.05 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Only inverters with firmware version ≥ 3.50 support active power control.
For reactive power control the inverters need to be equipped with firmware ≥ 3.90

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PIKO series

PIKO 3.0	PIKO 3.6	PIKO 4.2
PIKO 4.6	PIKO 5.5	PIKO 5.5 10A
PIKO 7.0	PIKO 8.3	PIKO 8.5
PIKO 10	PIKO 10.1	PIKO 12
PIKO 15	PIKO 17	PIKO 20
PIKO 36 EPC		

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PIKO CI

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	1502
Default address:	71
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ For certain devices the "Modbus byte order" can get selected via Modbus. The driver only supports the default byte order "big endian".

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PIKO CI series

PIKO CI 30	PIKO CI 50	PIKO CI 60
PIKO CI 100		

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PIKO IQ/PLENTICORE plus

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	1502
Default address:	71
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note for Kostal inverters which provide battery values connection of maximum 50 devices to one blue'Log is possible.
ⓘ For certain devices the "Modbus byte order" can get selected via Modbus. The driver only supports the default byte order "big endian".
ⓘ Please note during the scan the blue'log creates 1 additional battery device for each inverter.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_CHARGE_LEVEL	Charging status
B_P_DC	Battery power
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PIKO IQ series

PIKO IQ 3.0	PIKO IQ 4.2	PIKO IQ 5.5
PIKO IQ 7.0	PIKO IQ 8.5	PIKO IQ 10

PLENTICORE plus series

PLENTICORE BI 5.5/26	PLENTICORE BI 10/26	PLENTICORE L 17.5
PLENTICORE plus 3.0	PLENTICORE plus 4.2	PLENTICORE plus 5.5
PLENTICORE plus 7.0	PLENTICORE plus 8.5	PLENTICORE plus 10

Please contact Sales for details of compatibility with devices not listed.
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Kstar

GSL series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	82
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

500	630	750
800	1000	1250

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Hybrid inverters

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ For every inverter device upto 8 additional batteries devices may be created during the scan.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_E_EXP	Energy export from storage system DC
B_E_IMP	Energy import to storage system DC
B_I_DC	Current charging current DC
B_SOC	State of charge
B_SOH	State of health
B_T_CELL_MAX1_1	Maximal cell temperature rack 1 module 1
B_T_CELL_MIN1_1	Minimum cell temperature rack 1 module 1
B_U_CELL_AVG	Cell voltage mean value
B_U_CELL_MAX1_1	Maximal cell voltage rack 1 module 1
B_U_CELL_MIN1_1	Minimum cell voltage rack 1 module 1
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

BluE-S 3680D	BluE-S 3680D M1	BluE-S 5000D
BluE-S 5000D M1	BluE-S 6000D	BluE-S 6000D M1
E8KT	E10KT	E12KT
KSE-2K-048S	KSE-3.6K-048	KSE-3.6K-048S
KSE-3K-048S	KSE-3K-048S M1	KSE-4.6K-048
KSE-4.6K-048S	KSE-5K-048	KSE-5K-048S
KSE-6K-048		

Please contact Sales for details of compatibility with devices not listed.
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KSG1K-60K

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	32
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ The driver supports the address range 1 to 32. The address 0 does not get supported.
The maximum number of 32 devices can get connected to one bus interface.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.

BluE-3.6KT-M0	BluE-3.6KT-M1	BluE-3.6KT-M2
BluE-3.6KT-M3	BluE-3.6KT-M4	BluE-3.6KT-M5
BluE-3KT-M0	BluE-3KT-M1	BluE-3KT-M2
BluE-3KT-M3	BluE-3KT-M4	BluE-3KT-M5
BluE-4KT-M0	BluE-4KT-M1	BluE-4KT-M2
BluE-4KT-M3	BluE-4KT-M4	BluE-4KT-M5
BluE-5KT-M0	BluE-5KT-M1	BluE-5KT-M2
BluE-5KT-M3	BluE-5KT-M4	BluE-5KT-M5
BluE-6KT-M0	BluE-6KT-M1	BluE-6KT-M2
BluE-6KT-M3	BluE-6KT-M4	BluE-6KT-M5
BluE-8KT-M0	BluE-8KT-M1	BluE-8KT-M2
BluE-8KT-M3	BluE-8KT-M4	BluE-8KT-M5
BluE-10KT-M0	BluE-10KT-M1	BluE-10KT-M2
BluE-10KT-M3	BluE-10KT-M4	BluE-10KT-M5
BluE-12KT-M0	BluE-12KT-M1	BluE-12KT-M2
BluE-12KT-M3	BluE-12KT-M4	BluE-12KT-M5
BluE-15KT-M0	BluE-15KT-M1	BluE-15KT-M2
BluE-15KT-M3	BluE-15KT-M4	BluE-15KT-M5
BluE-17KT-M0	BluE-17KT-M1	BluE-17KT-M2
BluE-17KT-M3	BluE-17KT-M4	BluE-17KT-M5
BluE-20KT-M0	BluE-20KT-M1	BluE-20KT-M2
BluE-20KT-M3	BluE-20KT-M4	BluE-20KT-M5
BluE-22KT-M0	BluE-22KT-M1	BluE-22KT-M2
BluE-22KT-M3	BluE-22KT-M4	BluE-22KT-M5
BluE-23KT-M0	BluE-23KT-M1	BluE-23KT-M2
BluE-23KT-M3	BluE-23KT-M4	BluE-23KT-M5
BluE-25KT-M0	BluE-25KT-M1	BluE-25KT-M2
BluE-25KT-M3	BluE-25KT-M4	BluE-25KT-M5
BluE-G 3000D	BluE-G 3000S	BluE-G 3600D
BluE-G 4000D	BluE-G 4200D	BluE-G 4600D
BluE-G 5000D	BluE-G 6000D	G40KT
G40KT1	G40KT2	G40KT3
G50KT	G50KT1	G60KT
G60KT1	G70KT	G70KT1
G75KT	G75KT1	G80KT
G80KT1	KSG-25KT-M0	KSG-25KT-M1
KSG-25KT-M2	KSG-25KT-M3	KSG-30KT-M0
KSG-30KT-M1	KSG-30KT-M2	KSG-30KT-M3
KSG-30KT-M4	KSG-30KT-M5	KSG-33KT-M0
KSG-33KT-M1	KSG-33KT-M2	KSG-33KT-M3
KSG-33KT-M4	KSG-33KT-M5	KSG-36KT-M0
KSG-36KT-M1	KSG-36KT-M2	KSG-36KT-M3
KSG-36KT-M4	KSG-36KT-M5	KSG-40KT-M0
KSG-40KT-M1	KSG-40KT-M2	KSG-40KT-M3
KSG-40KT-M4	KSG-40KT-M5	KSG1.5KSM3
KSG1KSM3	KSG2KSM3	KSG3.2KDM3
KSG3KSM3	KSG4KDM3	KSG5KDM3
KSG6KDM3/KSG10K	KSG8KTL	KSG10KTL
KSG12.5K	KSG12KTL	KSG15K
KSG17K	KSG20K	KSG25KHV
KSG25KTL	KSG30K	KSG30KTL
KSG33KTL	KSG36KHV	KSG36KTL
KSG40K	KSG40KTL	KSG50K
KSG50K5	KSG50KHV	KSG50KHVC
KSG50KTL	KSG60K	KSG60KHV
KSG60KHVC	KSG60KTL	KSG70KHV
KSG70KHVC	KSG70KTL	KSG80KHVC
KSG80KTL	KSG100CL	KSG100KHVC

KSG100UH	KSG110CL	KSG110SL
KSG136UH	KSG136UM	KSG175UH
KSG200UH	KSG225UH	

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LTi ReEnergy
PVMaster II/III

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Up to 10 LTi String Combiner Boxes can get connected to a PVMaster II/ III inverter.
Depending on the amount of String Combiner Boxes connected the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x PVMaster II/ III with 10 LTi String Combiner Boxes = 11 devices).

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T	Temperature
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

LTi String Combiner Boxes	PVMaster II	PVMaster III

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

National Instruments

CRio9074 Inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ The blueLog always scans for 2 devices, so the second one can be deleted if only one is actually connected to the cRio 9074.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CRio9074 Inverter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

neoom

BLOKK inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ Please note during the scan the blue'log creates 10 additional battery devices for each inverter.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_CHARGE_LEVEL	Charging status
B_E_EXP	Energy export from storage system DC
B_E_IMP	Energy import to storage system DC
B_I_DC	Current charging current DC
B_P_DC	Battery power
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

BLOKK inverter

ⓘ Please note neeom BLOKK solutions can consist of up to 10 batteries + 32 inverter devices (e.g. 1 battery + 4 inverters = 5 devices on blue'Log) . Depending on the neeom BLOKK solution onsite the total amount of devices vary that can be connected to one blue'Log.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Nidec
PVPP8M580NP

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	50
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N2, 8O2, 8N1
Frame settings default:	8N2
Default address:	3

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PVPP8M580NP

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

NR Electric

PCS-9567TU

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	38
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL BATTERY

Active power constraint:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
Q_AC	Reactive power
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PCS-9567TU

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	49
Protocol:	ModbusRTU
Bus speed:	600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	10
Timings	
Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Power Electronics inverters consist of several inverter modules (up to 10) and Disconnecting Units (1 per inverter). Depending on the combination of modules and Disconnecting Units the total amount of devices varies that can be connected to one blue'Log (e.g. 1 Power Electronics inverter with 6 inverter modules + 1 Disconnecting Units = 8 devices).

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ The driver does not support Measurement values of the "String Supervisor" from Power Electronics.

SUPPORTED DEVICES

HE series

FS0100IH	FS0200IH	FS0230IH
FS0250IH	FS0280IH	FS0300IH
FS0340IH	FS0380IH	FS0400IH
FS0420IH	FS0460IH	FS0500IH
FS0501IH	FS0560IH	FS0570IH
FS0600IH	FS0630IH	FS0680IH
FS0700IH	FS0701IH	FS0750IH
FS0800IH	FS0801IH	FS0830IH
FS0880IH	FS0900IH	FS0910IH
FS0970IH	FS1000IH	FS1001IH
FS1030IH	FS1110IH	FS1130IH
FS1140IH	FS1250IH	FS1251IH
FS1390IH		

HECplus series

FS1000OH	FS1003CH	FS1051CH
FS1112CH	FS1162CH	FS1200CH
FS1201CH	FS1271CH	FS1331CH
FS1391CH	FS1401CH	FS1480CH
FS1500CH	FS1550CH	FS1600CH
FS1620CH	FS1690CH	FS1770CH
FS1800CH	FS1850CH	FS1901CH
FS1991CH	FS2000CH	FS2081CH
FS2110CH	FS2200CH	FS2300CH

LVT series

FS0020T	FS0025T	FS0030T
FS0035T	FS0040T	FS0050T
FS0060T	FS0080T	FS0100T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

HEM series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	39
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Power Electronics inverters from the series HEM, HEMK consist of several inverter modules (up to 6) and string combiner (1 per inverter).
Depending on the combination of modules and string combiners the total amount of devices varies that can be connected to one blue'Log (e.g. 1 Power Electronics inverter with 6 inverter modules + 1 string combiner = 8 devices).

For a successful scan the inverter needs to be configured to one of the following operation modes: Standard, Modular or HEM. The operation mode STATCOM does not get supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

HEM series series

FS3190M	FS3270M	FS3350M
FS3430M	FS3510M	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

HEMK series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	38
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Power Electronics inverters from the series HEM, HEMK consist of several inverter modules (up to 6) and string combiner (1 per inverter).
Depending on the combination of modules and string combiners the total amount of devices varies that can be connected to one blue'Log (e.g. 1 Power Electronics inverter with 6 inverter modules + 1 string combiner = 8 devices).

For a successful scan the inverter needs to be configured to one of the following operation modes: Standard, Modular or HEM. The operation mode STATCOM does not get supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

HEMK series series

FS2000K	FS2050K	FS2100K
FS2125K	FS2150K	FS2180K
FS2200K	FS2235K	FS2285K
FS2300K	FS2340K	FS2445K
FS3000K	FS3075K	FS3150K
FS3190K	FS3225K	FS3270K
FS3300K	FS3350K	FS3430K
FS3450K	FS3510K	FS3670K

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PrimeVOLT

PrimeVolt Inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	54
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PV-3000S-V	PV-3600S-V	PV-5000S-HV
PV-5000S-V	PV-10000S-U	PV-10000T-U
PV-15000S-U	PV-15000T-U	PV-20000T-U
PV-22000S-U	PV-30000S-U	PV-30000T-U
PV-40000T-U	PV-60000T-U	PV-75000T-U

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RCT Power
Inverter 4.0 / 5.0 / 6.0

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Inverter series

Power Inverter 4.0	Power Inverter 5.0	Power Inverter 6.0

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

REFU

REFUsol

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	SOFAR_SOLAR_MODBUS_ETHERNET
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	SOFAR_SOLAR_MODBUS_RTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

REFU 20K-2T	REFU 20K-2T 853P020	REFU 20K-3T
REFU 20K-3T 853P020	REFU 25K-3T	REFU 25K-3T 853P025
REFUsol 25K-3T	REFUsol 25K-3T 853P025	REFUsol 33K-3T
REFUsol 33K-3T 853P033	REFUsol 50K-4T	REFUsol 50K-4T 853P050
REFUsol 110K-10T	REFUsol 110K-10T 854P110	REFUsol 125K-10T
REFUsol 125K-10T 854P125	REFUsol 350K-8T	REFUsol 350K-8T 850P350
REFUsol 850P020-2T	REFUsol 850P033-2T	REFUsol 851P050-3T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

REFUstore

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	57600 bps
Bus speed default:	57600 bps
Frame settings:	8E1
Frame settings default:	8E1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

REFUstore 50K	REFUstore 88K	REFUstore 100K

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

REFU / Siemens / Schueco / LSIS / Satcon / Advanced Energy
REFUsol, SINVERT PVM, IPE, LSRP, Equinox LC, 3TL (USS Protocol)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	31
Protocol:	USS_ETHERNET
Port:	21062
Default address:	0
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	USS_SERIAL
Bus speed:	9600 bps, 19200 bps, 57600 bps, 115200 bps
Bus speed default:	57600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8E1
Default address:	0

Timings

Timeout:	0.5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ If meteocontrol protocol is selected in the inverter settings, 8N1 (Data bits 8 bits / Parity None / Stop bit 1 bit) must be selected as frame settings for successful scanning.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Only inverters with software version ≥ 29.21 are supporting Power Control.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

AE 3TL series

AE 3TL 8-IEC (CPV Gen 3)	AE 3TL 8-IEC (Gen 3)	AE 3TL 10-IEC (CPV Gen 3)
AE 3TL 10-IEC (Gen 3)	AE 3TL 10-KR	AE 3TL 12-UL (500V AFCI Gen 2)
AE 3TL 12-UL (500V Gen 2)	AE 3TL 12-UL (500V Gen 3)	AE 3TL 12-UL (1000V AFCI Gen 2)
AE 3TL 12-UL (1000V Gen 2)	AE 3TL 12-UL (1000V Gen 3)	AE 3TL 13-IEC (CPV Gen 2)
AE 3TL 13-IEC (CPV Gen 3)	AE 3TL 13-IEC (Gen 2)	AE 3TL 13-IEC (Gen 3)
AE 3TL 13-KR	AE 3TL 16-UL (500V AFCI Gen 2)	AE 3TL 16-UL (500V Gen 2)
AE 3TL 16-UL (500V Gen 3)	AE 3TL 16-UL (1000V AFCI Gen 2)	AE 3TL 16-UL (1000V Gen 2)
AE 3TL 16-UL (1000V Gen 3)	AE 3TL 17-IEC (CPV Gen 2)	AE 3TL 17-IEC (CPV Gen 3)
AE 3TL 17-IEC (Gen 2)	AE 3TL 17-IEC (Gen 3)	AE 3TL 17-KR
AE 3TL 20-IEC (CPV Gen 2)	AE 3TL 20-IEC (CPV Gen 3)	AE 3TL 20-IEC (Gen 2)
AE 3TL 20-IEC (Gen 3)	AE 3TL 20-KR	AE 3TL 20-UL (500V AFCI Gen 2)
AE 3TL 20-UL (500V Gen 2)	AE 3TL 20-UL (500V Gen 3)	AE 3TL 20-UL (1000V AFCI Gen 2)
AE 3TL 20-UL (1000V Gen 2)	AE 3TL 20-UL (1000V Gen 3)	AE 3TL 23-IEC (Gen 2)
AE 3TL 23-IEC (MV Gen 3)	AE 3TL 23-KR (MV)	AE 3TL 23-UL (500V AFCI Gen 2)
AE 3TL 23-UL (500V Gen 2)	AE 3TL 23-UL (500V Gen 3)	AE 3TL 23-UL (1000V AFCI Gen 2)
AE 3TL 23-UL (1000V Gen 2)	AE 3TL 23-UL (1000V Gen 3)	AE 3TL 24-JP (1000V)
AE 3TL 24-UL (1000V Gen 3)	AE 3TL 40-IEC	AE 3TL 40-KR
AE 3TL 46-IEC (MV)	AE 3TL 46-KR (MV)	

Equinox LC series

Equinox LC CE 8kw	Equinox LC CE 10kw	Equinox LC CE 13kw
Equinox LC CE 17kw	Equinox LC CE 20kw	Equinox LC UL 12kw
Equinox LC UL 16kw	Equinox LC UL 20kw	Equinox LC UL 24kw

IPE series

IPE 010 CN 04	IPE 013 CN 04	IPE 017 CN 04
IPE 020 CN 04	IPE 8000 SN 04 SN 04	

LSRP series

LSRP-T010L	LSRP-T013L	LSRP-T017L
LSRP-T020L		

REFUsol series

REFUsol 008K	REFUsol 08K	REFUsol 008K (CPV)
REFUsol 10K	REFUsol 010K	REFUsol 010K (CPV)
REFUsol 10K with Performer	REFUsol 10K with Performer (Belgium)	REFUsol 11K
REFUsol 12K	REFUsol 12K grounded	REFUsol 12K with Performer
REFUsol 012K-UL	REFUsol 013K	REFUsol 13K
REFUsol 013K (CPV)	REFUsol 15K	REFUsol 15k control cabinet
REFUsol 15K grounded Modules	REFUsol 15K with Performer	REFUsol 15K without DC switch
REFUsol 016K	REFUsol 016K-UL	REFUsol 017K
REFUsol 17K	REFUsol 017K (CPV)	REFUsol 020K
REFUsol 20K	REFUsol 020K (CPV)	REFUsol 020K (SCI)
REFUsol 020K grounded Modules	REFUsol 20K-2T	REFUsol 020K-UL
REFUsol 22-JP	REFUsol 023K-460 VAC	REFUsol 23K-MV
REFUsol 24-UL	REFUsol 24-UL (AFCI)	REFUsol 024K-UL
REFUsol 33K-2T	REFUsol 40K	REFUsol 46K-MV
REFUsol 48K-UL	REFUsol 48K-UL (AFCI)	REFUsol 50K-3T
REFUsol 100K	REFUsol 100KW	REFUsol 100KW 430VDC Spain
REFUsol 100KW DE	REFUsol 100KW ES	REFUsol 100KW IT
REFUsol 160KW	REFUsol 333K	REFUsol 500KW
REFUsol 630K	REFUstore 50K	REFUstore 50K-PC
REFUstore 88K	REFUstore 88K-PC	

SINVERT PVM series

SINVERT PVM10	SINVERT PVM12 UL	SINVERT PVM13
SINVERT PVM16 UL	SINVERT PVM17 4DC	SINVERT PVM17 6DC
SINVERT PVM20	SINVERT PVM20 UL	SINVERT PVM24 UL

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Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Riello

ES series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	52
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ES 50	ES 60	ES 100
ES 110		

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E-mail: sales@meteocontrol.com

RS series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	68
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RS 1.5	RS 2.0	RS 3.0
RS 4.0	RS 5.0	RS 6.0
RS 6.0 T	RS 10.0 T	RS 15.0 T
RS 20.0 T	RS 25.0 T	RS 30.0 T

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COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	54
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

C6 series

C6-75K-T6	C6-100K-T9	C6-100K-T12
C6-125K-T12		

R6 series

R6-15K-T2-32	R6-17K-T2-32	R6-20K-T2-32
R6-22K-T2-32	R6-25K-T2-32	R6-25K-T3-32
R6-30K-T3-32	R6-36K-T3-32	R6-40K-T4-32
R6-50K-T4-32		

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COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Suntrio Plus

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Santerno
Sunway TG

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	38400 bps
Frame settings:	8N2
Frame settings default:	8N2
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sunway TG series

Sunway TG 14 600V	Sunway TG 19 600V	Sunway TG 26 600V
Sunway TG 35 800V	Sunway TG 42 600V	Sunway TG 57 800V
Sunway TG 61 600V	Sunway TG 82 800V	Sunway TG 82 800V LT
Sunway TG 90 600V	Sunway TG 100 800V	Sunway TG 110 600V
Sunway TG 120 800V	Sunway TG 120 800V LT	Sunway TG 135 600V
Sunway TG 145 800V	Sunway TG 145 800V LT	Sunway TG 175 800V TE
Sunway TG 180 600V TE	Sunway TG 230 600V TE	Sunway TG 240 800V TE
Sunway TG 280 600V TE	Sunway TG 290 600V TE	Sunway TG 300 800V TE
Sunway TG 310 800V TE	Sunway TG 365 600V TE	Sunway TG 385 800V TE
Sunway TG 455 600V TE	Sunway TG 485 800V TE	Sunway TG 550 600V TE
Sunway TG 610 800V TE	Sunway TG 610 1000V TE	Sunway TG 610 1000V TE LT
Sunway TG 610 1100V TE	Sunway TG 730 800V TE	Sunway TG 750 900V TE
Sunway TG 750 1000V TE	Sunway TG 760 1000V TE	Sunway TG 900 1500V TE
Sunway TG 1200 1000V TE	Sunway TG 1200 1100V TE	Sunway TG 1800 1500V TE

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Satcon
PowerGate Plus < 100kW

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PowerGate Plus 30	PowerGate Plus 50	PowerGate Plus 75

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PowerGate Plus 100	PowerGate Plus 135	PowerGate Plus 250
PowerGate Plus 375	PowerGate Plus 500	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	54
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8O1, 8N1, 8E2, 8O2, 8N2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Inverters of the Schneider Electric Conext CL 18/20/25 kVA series support different reactive power methods depending on the country setting of the inverter. (please see inverter manufacturer documentation for more information).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Conext CL series

Conext CL 30	Conext CL 33	Conext CL 50
Conext CL 60A	Conext CL 60E	Conext CL 125
PVSCL18NA	PVSCL20E	PVSCL25E
PVSCL25NA		

Conext CL 36 series

Conext CL 36

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	80
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8O1, 8N1, 8E2, 8O2, 8N2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	Yes

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ You must activate the PVCQ mode from the inverter via user interface to use the Remote power compensation function.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Conext Core XC series

XC540	XC540-BB	XC630
XC630-BB	XC680	XC680-BB

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Conext SmartGen

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	39
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8O1, 8N1, 8E2, 8O2, 8N2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	0.01 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Schneider Electric Conext Smartgen inverters consist of 2 inverter modules and one meter. Therefore the total amount of Smartgen inverters is limited to 33. (33 x 3 submodules = 99 devices).

ⓘ Please note that IP address range from 192.168.0.0 to 192.168.0.255 is reserved by Schneider Electric Conext SmartGen inverters. Please make sure that IP addresses in this range do net get used by other devices.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ If event 359 "PPC heartbeat lost" is enabled, the parameter "CanITCI/PpcConnLosTrpCntIntr" must be set with the tool "ConextViewer" to a value > 60s.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DCX_Y	Current DC (1,...x).(1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
P_AC	Power AC
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ The values from the meter module (M_XX_XX) are displayed in the meter device category.

SUPPORTED DEVICES

Conext SmartGen CE series

CS1800	CS2000	CS2200
CS2400		

Conext SmartGen NA series

CS1666-1-NA	CS1666-2-NA	CS1666-3-NA
CS1800	CS2000	CS2200
CS2400		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

GT-Series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Xantrex GT500 E	Xantrex GT500 E GI	Xantrex GT630 E
Xantrex GT630 E GI	Xantrex GT630 E GI 1K	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	19
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

BG1K5TL	BG2K2TL	BG3KTL
BG4KTL	BG4KTR	BG4KTR-S
BG5KTL	BG5KTR	BG5KTR-S
BG6KTL	BG6KTR	BG8KTR
BG10KTR	BG12KTR	BG15KTR
BG17KTR	BG20KTR	BG25KTR
BG30KTR	BG33KTR	BG35KTR
BG40KTR	BG40KTR-HV	BG50KTR
BG50KTR-HV	BG50KTR-LD	BG60KTR
BG60KTR-LD	BG70KTR	BG70KTR-LD
BG80KTR-MD	EG4K6TL	EG4K6TL-2M
EG4KTL	EG4KTL-2M	EG5KTL
EG5KTL-2M	MG1K5TL	MG1KTL
MG2KTL	MG3KTL	MG3KTL-2M
MG4K6TL	MG4K6TL-2M	MG4KTL
MG4KTL-2M	MG5KTL	MG5KTL-2M
MG6KTL-2M	MG750TL	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SIEL

10TL Solar Inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SolarInverter 10 TL	SolarInverter 80 TL	SolarInverter 100 TL
SolarInverter 125 TL	SolarInverter 200 TL	SolarInverter 250 TL
SolarInverter 400 TL	SolarInverter 500 TL	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Monophase Solar Inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC	Current AC
I_DC	Current DC
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
T	Temperature
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Monophase Solar Inverter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Solar Converter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Solar Converter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Soleil 10	Soleil 15	Soleil 20
Soleil 25	Soleil 30	Soleil 40
Soleil 50	Soleil 60	Soleil 80
Soleil 100	Soleil 125	Soleil 200
Soleil 250	Soleil DSPx	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	43
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	0.3 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Soleil 330 / 660 HV TL

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Soleil SRT-1F

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	62
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC	Current AC
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Soleil SRT-1F

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Soleil SRT-3F

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	65
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Soleil SRT-3F

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	69
Protocol:	ModbusRTU
Bus speed:	9600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SPX-3F 200-250kW	SPX-B-H X2	SRT S2 30-40kW
SRT-3F 100-125kW	X2P 200-250kW	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Siemens
PV1000/2000/3000/4000

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PV1000/2000/3000/4000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PV1045/2090/3135/4180

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PV1045/2090/3135/4180

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PV1090/2180/3270/4360

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PV1090/2180/3270/4360

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PV1140/2280/3420/4560

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PV1140/2280/3420/4560

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PV1200/2400/3600/4800

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PV1200/2400/3600/4800

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PV1250/2500/3750/5000

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PV1250/2500/3750/5000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Siliken

SE100

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SE100

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SINENG

String Inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	39
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SP_1XXK series

SP-110K-L	SP-120K-BL	SP-120K-L
SP-136K		

SP_2XXK series

SN125PT	SP-275K-H1	SP-350K-H1

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SMA

Datamanager Inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ During the scan an additional battery, meter, sensor and PPC device may be created.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

B_E_CHARGE_AC	Chargeable Energy
B_E_DISCHARGE_AC	Dischargeable Energy
B_SOC	State of charge
D_IN (1,...x)	Digital input (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
E_W_S1	Wind speed 1
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
PPC_P_SET_REL	Active power setpoint
P_AC	Power AC
Q_AC	Reactive power
SRAD1	Irradiance 1
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EDML-10 (SMA Data Manager L) EDMM-10 (SMA Data Manager M) EDMM-10.A (SMA Data Manager M Lite)
EDMM-US-10 (SMA Data Manager M)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SC (SMA Data)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	31
Protocol:	SMA_DATA_ETHERNET
Port:	24272
Default address:	0
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	SMA_DATA
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

Timings

Timeout:	10 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ In case String Boxes from SMA should be connected to inverters from SMA the blue'Log would automatically create a string combiner device for every String Box connected during the inverter scan.
Depending on the amount of string boxes connected to each inverter the total amount of devices varies that can be connected to one blue'Log.
e.g. 1 x SMA inverter + 5 x String boxes = 6 devices for the blue'Log

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_AC	Supply impedance
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SC series

SC 100	SC 100LV	SC 125LV
SC 150	SC 200	SC 200HE
SC 250	SC 250HE	SC 350
SC 350HE	SC 400HE-11	SC 400LV-11
SC 500HE	SC 500HE-10	SC 500HE-11
SC 560HE	SC 560HE-10	SC 560HE-11
SC 630HE-10	SC 630HE-11	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SCS

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	2
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SUNNY CENTRAL STORAGE 2200 SUNNY CENTRAL STORAGE 2200-US SUNNY CENTRAL STORAGE 2475
SUNNY CENTRAL STORAGE 2475-US SUNNY CENTRAL STORAGE 2500-EV
SUNNY CENTRAL STORAGE 2500-EV-US
SUNNY CENTRAL STORAGE 2750-EVSUNNY CENTRAL STORAGE 2750-EV-US

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SHP3, STP, SB, SBS, SI (SunSpec)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	126
Remote Device Access:	No

Timings

Timeout:	10 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ SMA inverters require Speedwire/Webconnect interfaces for communication via SMA SunSpec.
In addition, the Modbus TCP server of the inverters needs to be activated, since this is deactivated at the factory for the supported SMA devices (please see inverter manufacturer documentation for more information).

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please note with SMA inverters it is not possible to use the option "Method switch" in case it should get switched between "Reactive power control - Q control" and "Power factor control - Cos φ control" via Modbus. The inverters do not support the switch between those methods via Modbus.
ⓘ Before being able to do Power Control with SMA inverters it is neccessary to set the Power Control mode (P_AC, Q_AC, COS_PHI) at the inverters.
ⓘ Please note models from the series Sunny Highpower PEAK3 have an active power threshold configured per default, which prevents reactive power control below this threshold. Please get in touch with SMA in case this threshold needs to be adjusted.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sunny Highpower PEAK3 series

SHP 100-20	SHP 100-21	SHP 100-JP-20
SHP 100-JP-21	SHP 125-US-20	SHP 125-US-21
SHP 143-JP-21	SHP 150-20	SHP 150-21
SHP 150-JP-20	SHP 150-US-20	SHP 150-US-21
SHP 165-US-21	SHP 172-21	SHP 172-US-21
SHP 180-21	SHP FLEX-US-21	

Sunny Island series

Sunny Island 3.0M	Sunny Island 4.4M	Sunny Island 6.0H
Sunny Island 8.0H		

Sunny Tripower series

STP 3.0	STP 4.0	STP 5.0
STP 6.0	STP 8.0	STP 10.0
STP 12-50 (STP X12)	STP 15-50 (STP X15)	STP 20-50 (STP X20)
STP 20-US-50 (STP X20-US)	STP 25-50 (STP X25)	STP 25-US-50 (STP X25-US)
STP 30-US-50 (STP X30-US)	STP 50-40 (CORE1)	STP 50-JP-40 (CORE1-JP)
STP 50-US-40 (CORE1-US)	STP 5000TL-20	STP 6000TL-20
STP 7000TL-20	STP 8000TL-20	STP 9000TL-20
STP 10000TL-10	STP 10000TL-20	STP 10000TLEE-JP-10
STP 10000TLEE-JP-11	STP 11000TL-20	STP 12000TL-10
STP 12000TL-20	STP 12000TL-US-10	STP 15000TL-10
STP 15000TL-30	STP 15000TL-US-10	STP 15000TLEE-10
STP 17000TL-10	STP 20000TL-30	STP 20000TL-US-10
STP 20000TLEE-10	STP 20000TLEE-JP-11	STP 24000TL-US-10
STP 25000TL-30	STP 25000TL-JP-30	STP 30000TL-US-10
STP33-US-41 (STP33-US-41)	STP50-41 (STP50-41)	STP50-JP-41 (STP50-JP-41)
STP50-US-41 (STP50-US-41)	STP62-US-41 (STP62-US-41)	STPS 30-20 (STPS X30)
STPS 50-20 (STPS X50)		

SunnyBoy series

SB 2500TLST-21	SB 3000TL-21	SB 3000TL-US-22
SB 3000TLST-21	SB 3500TL-JP-22	SB 3600SE-10
SB 3600TL-21	SB 3800TL-US-22	SB 4000TL-21
SB 4000TL-US-22	SB 4500TL-JP-22	SB 5000SE-10
SB 5000TL-21	SB 5000TL-US-22	SB 6000TL-US-22
SB 7000TL-US-22	SB 7700TL-US-22	SB1.5-1VL-40
SB2.5-1VL-40	SB3.0-1AV-40	SB3.0-1SP-US-40
SB3.6-1AV-40	SB3.8-1SP-US-40	SB4.0-1AV-40
SB5.0-1AV-40	SB5.0-1SP-US-40	SB6.0-1SP-US-40
SB7.0-1SP-US-40	SB7.7-1SP-US-40	

SunnyBoy Storage series

SBS2.5-1VL-10

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SMA Modbus

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	3
Remote Device Access:	No

Timings

Timeout:	10 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note when connecting SMA Sunny Islands the total amount of devices varies that can be connected to one blue'Log. 1 x Sunny Island consists of 1 x inverter, 1 x battery and 1 x meter device on the blue'Log. The blue'Log will automatically set up the devices during the scan.
ⓘ Please note only Client / Slave IDs from 3-123 are supported by SMA.
ⓘ Please note with SMA inverters it is not possible to use the option "Method switch" in case it should get switched between "Reactive power control - Q control" and "Power factor control - Cos φ control" via Modbus. The inverters do not support the switch between those methods via Modbus.
ⓘ Please note during the scan the blue'log creates 1 additional battery device for each inverter.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please note with SMA inverters it is not possible to use the option "Method switch" in case it should get switched between "Reactive power control - Q control" and "Power factor control - Cos φ control" via Modbus. The inverters do not support the switch between those methods via Modbus.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_CHARGE_LEVEL	Charging status
B_E_EXP	Energy export from storage system DC
B_E_IMP	Energy import to storage system DC
B_I_DC	Current charging current DC
B_LIM_I_CHARGE	Maximum charging current
B_LIM_I_DISCHARGE	Maximum discharging current
B_LIM_U_DISCHARGE	Discharge end voltage
B_OT_TOTAL	Operating Hours
B_P_DC	Battery power
B_SOH	State of health
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sunny Highpower PEAK1 series

SHP 100-20 (SHP 100k-20)	SHP 100-JP-20 (SHP 100k-JP-20)	SHP 125-US-20 (SHP 125k-US-20)
SHP 150-20 (SHP 150k-20)	SHP 150-JP-20 (SHP 150k-JP-20)	SHP 150-US-20 (SHP 150k-US-20)

Sunny Island series

SI3.0M-11	SI4.4M-11	SI4.4M-12
SI4.4M-13	SI6.0H-11	SI6.0H-12
SI6.0M-13	SI8.0H-11	SI8.0H-12
SI8.0M-13		

Sunny Tripower series

STP 12-50 (STP X12)	STP 15-50 (STP X15)	STP 20-50 (STP X20)
STP 20-US-50 (STP X20-US)	STP 25-50 (STP X25)	STP 25-US-50 (STP X25-US)
STP 30-US-50 (STP X30-US)	STP 125-70	STP 5000TL-20
STP 6000TL-20	STP 7000TL-20	STP 8000TL-10
STP 8000TL-20	STP 9000TL-20	STP 10000TL-10
STP 10000TL-20	STP 10000TLEE-JP-10	STP 10000TLEE-JP-11
STP 11000TL-20	STP 12000TL-10	STP 12000TL-20
STP 12000TL-US-10	STP 15000TL-10	STP 15000TL-30
STP 15000TL-US-10	STP 15000TLEE-10	STP 15000TLHE-10
STP 17000TL-10	STP 20000TL-30	STP 20000TL-US-10
STP 20000TLEE-10	STP 20000TLEE-JP-11	STP 20000TLHE-10
STP 24000TL-US-10	STP 24500TL-JP-30	STP 25000TL-30
STP 25000TL-JP-30	STP 30000TL-US-10	STP33-US-41 (STP33-US-41)
STP50-40 (STP50-40)	STP50-41 (STP50-41)	STP50-JP-40 (STP50-JP-40)
STP50-JP-41 (STP50-JP-41)	STP50-US-40 (STP50-US-40)	STP50-US-41 (STP50-US-41)
STP62-US-41 (STP62-US-41)		

SunnyBoy series

SB 1.5	SB 2.5	SB 2500TLST-21
SB 3000TL-21	SB 3000TL-JP-22	SB 3000TL-US-22
SB 3000TLST-21	SB 3500TL-JP-22	SB 3600SE-10
SB 3600TL-21	SB 3800TL-US-22	SB 4000TL-21
SB 4000TL-JP-22	SB 4000TL-US-22	SB 4500TL-JP-22
SB 5000SE-10	SB 5000TL-21	SB 5000TL-US-22
SB 5400TL-JP-22	SB 6000TL-US-22	SB 7000TL-US-22
SB 7700TL-US-22		

SunnyBoy Storage series

SBS 2.5	SBS 6.0

Please contact Sales for details of compatibility with devices not listed.
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E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	84
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.01 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SOLID-Q 50

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLID-Q PRO 60

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	84
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.01 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T	Temperature
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SOLID-Q PRO 60

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

STP 60, STPS 60, SHP 1 (SunSpec)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	126
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ For communication with the inverters a SMA Inverter Manager is required.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sunny Highpower PEAK1 series

SHP 75	SHP 75-10	SHP 75-JP-10

Sunny Tripower series

STP 60	STP 60-10	STP 60-JP-10

Sunny Tripower Storage series

STPS 60	STPS 60-10

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

STP 110-60 (Core2)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	Yes

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

STP 110-60 (Core2)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

STP, SB, SMC (SMA Data)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	SMA_DATA
Bus speed:	1200 bps, 19200 bps
Bus speed default:	1200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	0

Timings

Timeout:	10 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteocontrol recommendation is to choose a slower controller sample time than 500 ms.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_AC	Supply impedance
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

ⓘ For each device it takes about 2-3 minutes after the SCAN process is finished before the monitoring of the measurement values starts.

SUPPORTED DEVICES

SUNNY BOY series

SB 700-US	SB 1200	SB 1500TL
SB 1700	SB 2000HF	SB 2000HF-US
SB 2100TL	SB 2500	SB 2500HF
SB 2500HF-US	SB 3000	SB 3000-US
SB 3000HF	SB 3000TL	SB 3000TL RPC
SB 3000TLST-21	SB 3300	SB 3800
SB 3800-US	SB 4000-US	SB 4000TL
SB 4000TL RPC	SB 5000-US	SB 5000TL
SB 5000TL HC	SB 5000TL RPC	SB 6000-US
SB 7000-US	SB 8000-US	SB 8000TL-US
SB 9000TL-US	SB 10000TL-US	SB 11000TL-US
SB3.0-1AV-41	SB3.6-1AV-41	SB4.0-1AV-41
SB5.0-1AV-41	SB6.0-1AV-41	

SUNNY MINI CENTRAL series

SMC 4600	SMC 4600A	SMC 5000A
SMC 6000A	SMC 6000TL	SMC 7000HV
SMC 7000TL	SMC 8000TL	SMC 9000TL
SMC 9000TL RPC	SMC 9000TL-10	SMC 10000TL
SMC 10000TL RPC	SMC 11000TL	SMC 11000TL RPC
SMC 11000TL-10		

SUNNY TRIPOWER series

STP 5000TL-20	STP 6000TL-20	STP 7000TL-20
STP 8000TL	STP 8000TL-20	STP 9000TL-20
STP 10000TL-20	STP 10000TLEE-JP-10	STP 10000TLEE-JP-11
STP 12000TL	STP 12000TL-20	STP 12000TL-US-10
STP 15000TL-10 Econ. Exc.	STP 15000TL-30	STP 15000TL-US
STP 17000TL	STP 20000TL-10 Econ. Exc.	STP 20000TL-30
STP 20000TL-US-10	STP 20000TLEE-JP	STP 24000TL-US-10
STP 25000TL-30	STP 30000TL-US-10	STP3.0-3AV-40
STP4.0-3AV-40	STP5.0-3AV-40	STP6.0-3AV-40
STP8.0-3AV-40	STP10.0-3AV-40	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sunny Central (1760-4600)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	3
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ blue'Log IP address must be added to the Modbus whitelist of the inverter. Otherwise the Modbus read and write requests will be blocked from the inverter and the communciation between blue'Log and inverter doesn't work. Either enter the IP Address manually or activate the learning mode of the inverter which is then 24 h active. The features "GSM" and "READ" must be active.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	Yes

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Find below mapping for T (1,...x):
T1 = Temperature in the AC range
T2 = Temperature in the DC range
T3 = Temperature in the electronics area
T4 = Temperature of the MV transformer
T5 = External temperature

SUPPORTED DEVICES

Sunny Central series

SC-1760US	SC-1850US	SC-2000EV-US
SC-2000US	SC-2200	SC-2200US
SC-2260UP	SC-2475	SC-2500EV
SC-2500EV-US	SC-2660UP	SC-2750EV
SC-2750EV-US	SC-2800UP	SC-2930UP
SC-3000EV	SC-3060UP	SC-4000UP
SC-4000UP-US	SC-4200UP	SC-4200UP-US
SC-4400UP	SC-4400UP-US	SC-4600UP
SC-4600UP-US		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sunny Central (CP, CP-US, CP-JP, HE)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	Yes

Timings

Timeout:	5 seconds
Delay:	0.25 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Recommendation for 1 minute interval data is to limit the maximum number of devices per WebBox / SC-COM to 6. (typical 1 Inverter and 5 String Monitoring Units)

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Power Control is only supported if the inverter is equipped with SC-COM (parameter PWMOD must be set on inverter to WTCLCom). If the inverter is equipped with WebBox please contact SMA service about an upgrade to SC-COM.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sunny Central series

SC 250HE	SC 400HE-11	SC 500CP
SC 500CP-JP	SC 500CP-US	SC 500CP-US 600V
SC 500HE-10 / SC 500HE-11	SC 500HE-20	SC 630CP
SC 630CP-JP	SC 630CP-US	SC 630HE-11
SC 630HE-20	SC 720CP	SC 720CP-US
SC 720HE-20	SC 750CP-US	SC 760CP
SC 760HE-20	SC 800CP	SC 800CP-JP
SC 800CP-US	SC 800HE-20	SC 850CP
SC 850CP-US	SC 900CP	SC 900CP-US
SC 1000CP		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Socomec
SUNSYS

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	61
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

P02	P03	P33 TR
P66 TL	P66 TL1K	P66 TR
P100 TL	P100 TL1K	P100 TR

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOFARSOLAR
SOFAR / ME / HYD

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	SOFAR_SOLAR_MODBUS_ETHERNET
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	16
Protocol:	SOFAR_SOLAR_MODBUS_RTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note for connection via Modbus TCP/Modbus RTU some inverters from SOFARSOLAR only support Client (Slave IDs) / bus addresses from 1-31. Please check with SOFARSOLAR for more information.
ⓘ The ME 5..20K hybrid inverters may use port 8899 instead of 502 for Modbus TCP.
ⓘ Some models only support up to 31 devices.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_P_DC	Battery power
B_SOC	State of charge
B_SOH	State of health
B_U_DC	Battery voltage
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ For the G3/G4 hybrid series the driver still has beta status. The battery measurement values listed may not be available.
ⓘ The ME 5..20K hybrid inverters can be setup in a master slave configuration. If this is the case only the master ME 5..20K hybrid inverter has a P_AC value > 0 W and shows the sum off all other slave inverters. While the slave inverters show only 0 W for P_AC.

SUPPORTED DEVICES

3...6KTLM-G2 series

SOFAR 3.6KTLM-G2	SOFAR 3KTLM-G2	SOFAR 4.6KTLM-G2
SOFAR 4KTLM-G2	SOFAR 5KTLM-G2	SOFAR 6KTLM-G2

3.3...12KTL-X series

SOFAR 3.3KTL-X	SOFAR 4.4KTL-X	SOFAR 5.5KTL-X
SOFAR 5KTL-X(Only For Australia)	SOFAR 6.6KTL-X	SOFAR 8.8KTL-X
SOFAR 11KTL-X	SOFAR 12KTL-X	

7.5KTLM series

SOFAR 7.5KTLM-G2

10...15KTL-G2 series

SOFAR 10000TL-G2	SOFAR 12000TL-G2	SOFAR 15000TL-G2

10...20KTL series

SOFAR 10000TL	SOFAR 15000TL	SOFAR 17000TL
SOFAR 20000TL		

20...33KTL-G2 series

SOFAR 20000TL-G2	SOFAR 25000TL-G2	SOFAR 30000TL-G2
SOFAR 33000TL-G2		

30...40KTL series

SOFAR 30000TL	SOFAR 33000TL	SOFAR 36000TL
SOFAR 40000TL		

50...70KTL series

SOFAR 50000TL	SOFAR 60000TL	SOFAR 70000TL-HV

75...136KTL series

SOFAR 80KTL	SOFAR 100KTL	SOFAR 100KTL-HV
SOFAR 110KTL	SOFAR 125KTL-HV	SOFAR 136KTL-HV

255KTL-HV series

SOFAR 250KTL-HV	SOFAR 255KTL-HV

1100...3300TL-G3 series

SOFAR 1100TL-G3	SOFAR 1600TL-G3	SOFAR 2200TL-G3
SOFAR 2700TL-G3	SOFAR 3000TL-G3	SOFAR 3300TL-G3

HYD 5…20KTL-3PH series

HYD 5KTL-3PH	HYD 6KTL-3PH	HYD 8KTL-3PH
HYD 10KTL-3PH	HYD 15KTL-3PH	HYD 20KTL-3PH

HYD 3000…6000-EP series

HYD 3000-EP	HYD 3680-EP	HYD 4000-EP
HYD 4600-EP	HYD 5000-EP	HYD 5500-EP
HYD 6000-EP		

HYD 3000…6000-ES series

HYD 3000-ES	HYD 3600-ES	HYD 4000-ES
HYD 4600-ES	HYD 5000-ES	HYD 6000-ES

ME 5...20KTL series

ME 5KTL-3PH	ME 6KTL-3PH	ME 8KTL-3PH
ME 10KTL-3PH	ME 15KTL-3PH	ME 20KTL-3PH

SOFAR 3…6KTLM-G3 series

SOFAR 3.6KTLM-G3	SOFAR 3KTLM-G3	SOFAR 4.6KTLM-G3
SOFAR 4KTLM-G3	SOFAR 5KTLM-G3	SOFAR 5KTLM-G3-A
SOFAR 6KTLM-G3		

SOFAR 3.3…12KTLX-G3 series

SOFAR 3.3KTLX-G3	SOFAR 4.4KTLX-G3	SOFAR 5.5KTLX-G3
SOFAR 5KTLX-G3(Australia)	SOFAR 6.6KTLX-G3	SOFAR 8.8KTLX-G3
SOFAR 10KTLX-G3(Australia)	SOFAR 11KTLX-G3	SOFAR 12KTLX-G3

SOFAR 7…10.5KTLM-G3 series

SOFAR 7.7KTLM-G3	SOFAR 7KTLM-G3	SOFAR 8KTLM-G3
SOFAR 9KTLM-G3	SOFAR 10.5KTLM-G3	SOFAR 10KTLM-G3

SOFAR 7.5KTLM-G3 series

SOFAR 7.5KTLM-G3

SOFAR 15…24KTLX-G3 series

SOFAR 15KTLX-G3	SOFAR 17KTLX-G3	SOFAR 20KTLX-G3
SOFAR 22KTLX-G3	SOFAR 24KTLX-G3	

SOFAR 25…50KTLX-G3 series

SOFAR 25KTLX-G3	SOFAR 30KTLX-G3	SOFAR 33KTLX-G3
SOFAR 36KTLX-G3	SOFAR 40KTLX-G3	SOFAR 45KTLX-G3
SOFAR 50KTLX-G3		

SOFAR 60…80KTLX-G3 series

SOFAR 60KTLX-G3	SOFAR 60KTLX2-G3	SOFAR 80KTLX-G3

SOFAR 100...125KTLX-G4 series

SOFAR 100KTLX-G4	SOFAR 110KTLX-G4	SOFAR 125KTLX-G4

SOFAR 350KTLX0 series

SOFAR 350KTLX0

ⓘ Only inverter models with less than 50kW rated power with firmware version >= 2.72 get supported.
ⓘ Only inverter models with 50kW or more rated power with firmware version >= 2.40 get supported.
ⓘ SOFARSOLAR Hybrid devices can contain multiple battery modules. Depending on the amount of modules the total amount of devices that can be connected to one blue'Log varies. One hybrid inverter can result in up to 13 devices on the blue'Log.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SolarEdge
SE (SunSpec)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	6
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only CCGs with firmware 3.2545 or higher get supported.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Active/reactive power control is supported by all inverters with firmware 4.10.25. An exact list of supported inverters with firmware 3.xx.xx is available from the inverter manufacturer.
ⓘ If Q control is required you can use the blue'Log feature "Correction value conversion". If you select the option "cos φ correction value" Q setpoints from the grid operator will be converted to cos φ value.
ⓘ Please contact SolarEdge support for a documentation describing the specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ After saving a new power control setting on blue'Log it may lead to a stop in production of the SolarEdge inverters of up to 10 seconds.
ⓘ It is not recommended to use power control via the SolarEdge Commercial Gateway.
ⓘ The blue'Log does not support power control if inverters with older and newer firmware versions are connected at the same time.
ⓘ Timeout for P/Q Control will be set to 136 years.
ⓘ A power control sampling time of 1000ms is recommended.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ For Solar Edge inverters with additional metering technology the SunSpec Meter Models 201, 202, 203 and 204 are also supported

SUPPORTED DEVICES

SE series

SE3K	SE4K	SE5K
SE5K-RWS	SE6K	SE7K
SE7K-RWS	SE8K	SE8K-RWS
SE9K	SE10K	SE10K-RWS
SE10KUS	SE12.5K	SE15K
SE16K	SE17K	SE20KUS
SE25K	SE27.6K	SE30K
SE33.3K	SE33.3KUS	SE50K
SE55K	SE66.6K	SE82.8K
SE90K	SE100K	SE120K
SE1000M	SE1500M	SE2000M
SE2200H	SE3000H	SE3500H
SE3680H	SE4000H	SE5000H

ⓘ Meters connected to the CCG do not get supported.
ⓘ One meter connected to an inverter with firmware (>4.0) is supported. More details please see SunSpec Alliance - Compatible meter.
ⓘ This Driver also supports the SolarEdge three phase inverter with Synergy Technology for Europe SE50K / SE66.6K / SE90K / SE100K

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Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SolarMax

SolarMax Inverter (MaxComm Protocol)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	MAX_COMM_ETHERNET
Port:	12345
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	MAX_COMM_SERIAL
Bus speed:	9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	3 seconds
Delay:	0.05 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Power Control in CLOSED-LOOP mode is only possible in case the controller sample time on the blue'Log got configured. meteocontrol recommendation is to choose a slower controller sample time than 500 ms.
C series string inverters (2000C - 6000C) don't support Power Control.
S, P, and TP series string inverters support only active Power Control.
C, C-SV, S, and TS (not TS-SV) series central inverters support only active Power Control.
6MT2 CH, 12MT2 A, 15MT3 A and 18MT3 A inverters support only active Power Control.
Only 330, 660, 990, 1320 TS-SV inverters with software version ≥ 1.0.16053 are supporting PowerControl.
Only 360, 720, 1080, 1440 TS-SV inverters with software version ≥ 1.0.16086 are supporting PowerControl.
Only MT inverters with software version ≥ 1.0.16830 are supporting PowerControl.
Only P inverters with software version ≥ 2.1.0 are supporting active PowerControl.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Central inverters series

20	20C	25C
30	30C	35C
40	45	50C
50TS	60	75TS A
80C	80TS	100
100C	100TS	125
300C	300TS MT	300TS ST
330C-SV	330TS-SV MT	330TS-SV ST
360TS-SV	360TS-SV MT	360TS-SV ST
660TS-SV MT	660TS-SV ST	720TS-SV MT
720TS-SV ST	990TS-SV MT	990TS-SV ST
1080TS-SV MT	1080TS-SV ST	1320TS-SV MT
1320TS-SV ST	1440TS-SV MT	1440TS-SV ST

String inverters series

4TP	5TP2	6MT2
6MT2 CH	6SMT	6TP2
7TP2	8MT2	8SMT
10MT	10MT2	10SMT
12MT2 A	13MT2	13MT3
13SMT	15MT2	15MT3
15MT3 A	15SMT	17SHT
18MT3 A	18MT3 SV	20HT2
20HT4	20S	20SHT
22SHT	25HT2	25HT4
25SHT	28SHT	30HT4
30S	30SHT	32HT2
32HT4	35S	50SHT
50SHT-S	50SHT-S2	60SHT
60SHT-S	60SHT-S2	1000SP
1500SP	2000	2000C
2000E	2000P	2000S
2000SP	2500SP	3000
3000C	3000E	3000P
3000S	3000SP	3600SP
4000	4000C	4000E
4000P	4000SP	4200C
4200S	4600P	4600SP
5000P	5000SP	6000C
6000E	6000S	6000SP

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Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	SOFAR_SOLAR_MODBUS_ETHERNET
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	16
Protocol:	SOFAR_SOLAR_MODBUS_RTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note for connection via Modbus TCP/Modbus RTU some inverters from SolarMax only support Client (Slave IDs) / bus addresses from 1-31. Please check with SolarMax for more information.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SOLARMAX ES-H series

5ES-H	6ES-H	8ES-H
10ES-H	15ES-H	20ES-H

SOLARMAX SGA series

1100SGA	1600SGA	2200SGA

SOLARMAX SPL series

3SPL	4SPL	5SPL

SOLARMAX SXT series

110SXT	255SXT-800V

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Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Solax Power

Senergy series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	68
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SolaX X3-50K-TL	SolaX X3-60K-TL

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

X3 Hybrid

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note during the scan the blue'Log creates 1 additional battery device for each inverter.

ⓘ For connection of Solax Power X3 Hybrid devices when scanning a range of Modbus addresses for one IP address or doing multiple Scans, it is possible that multiple batteries get created due to the design of the SolaxPower system in case the inverter answers on multiple Modbus addresses. Since there is only one single physical battery the superfluous batteries on the blue'Log may need to be deleted by hand after the scans.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ In order to use the "Fast stop" feature on the blue'Log it is neccessary to enable the functionality at the Solax inverters first. To enable "Fast stop" the "Inverter advanced interface password" has to be send via Modbus to register "0" by using function code 6.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_I_DC	Current charging current DC
B_P_DC	Battery power
B_SOH	State of health
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

X3 Hybrid series

X3-Hybrid-5.0-D-C	X3-Hybrid-5.0-D-E	X3-Hybrid-5.0-N-C
X3-Hybrid-5.0-N-E	X3-Hybrid-6.0-D-C	X3-Hybrid-6.0-D-E
X3-Hybrid-6.0-N-C	X3-Hybrid-6.0-N-E	X3-Hybrid-8.0-D-C
X3-Hybrid-8.0-D-E	X3-Hybrid-8.0-N-C	X3-Hybrid-8.0-N-E
X3-Hybrid-10.0-D-C	X3-Hybrid-10.0-D-E	X3-Hybrid-10.0-N-C
X3-Hybrid-10.0-N-E	X3-Hybrid-15.0-D	

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Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	42
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

X3-FTH-80K	X3-FTH-100K	X3-FTH-110K
X3-FTH-120k	X3-FTH-125K	X3-FTH-136K-MV
X3-FTH-150K-MV	X3-MGA-40K-G2	X3-MGA-50K-G2
X3-MGA-60K-G2		

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Phone: +49 (0)821 34666 - 80
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X3-PRO-G2

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	95
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

X3-Pro G2 series

X3-PRO-8K-G2	X3-PRO-10K-G2	X3-PRO-12K-G2
X3-PRO-15K-G2	X3-PRO-17K-G2	X3-PRO-20K-G2
X3-PRO-25K-G2	X3-PRO-30K-G2	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Solinteg

MHT/MHS series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note during the scan the blue'Log creates 1 additional battery device for each inverter.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_LIM_I_CHARGE	Maximum charging current
B_LIM_I_DISCHARGE	Maximum discharging current
B_SOC	State of charge
B_SOH	State of health
B_T_CELL_MAX1_1	Maximal cell temperature rack 1 module 1
B_T_CELL_MIN1_1	Minimum cell temperature rack 1 module 1
B_U_CELL_MAX1_1	Maximal cell voltage rack 1 module 1
B_U_CELL_MIN1_1	Minimum cell voltage rack 1 module 1
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MHS series

MHS-3.6K-30D	MHS-3.6K-30S	MHS-3K-30D
MHS-3K-30S	MHS-4.2K-30D	MHS-4.6K-30D
MHS-5K-30D	MHS-6K-30D	MHS-7K-30D
MHS-8K-30D		

MHT series

MHT-4K-25	MHT-5K-25	MHT-6K-25
MHT-8K-25	MHT-10K-25	MHT-10K-40
MHT-12K-25	MHT-12K-40	MHT-15K-40
MHT-20K-40	MHT-25K-100	MHT-30K-100
MHT-36K-100	MHT-40K-100	MHT-50K-100

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Solplanet

ASW

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	77
Protocol:	ModbusRTU
Bus speed:	2400 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8N2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ASW Series series

ASW1000-3000S-S	ASW3000-5000-S	ASW3000-5000H-S
ASW3000-10000-T	ASW6000-10000-S	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	77
Protocol:	ModbusRTU
Bus speed:	2400 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ASW Series series

ASW 6K-UT-G3	ASW 8K-UT-G3	ASW 10K-UT-G3
ASW 12K-UT-G3	ASW 15K-UT-G3	ASW3K-LT-G2 Pro
ASW4K-LT-G2 Pro	ASW5K-LT-G2 Pro	ASW6K-LT-G2 Pro
ASW8-20K-LT-G2	ASW8K-LT-G2 Pro	ASW10K-LT-G2 Pro
ASW12K-LT-G2 Pro	ASW15K-LT-G2 Pro	ASW17K-LT-G2 Pro
ASW20K-LT-G2 Pro	ASW25-40K-LT-G3	ASW30-50K-LT-G2
ASW30K-UT-G3	ASW33K-UT-G3	ASW36K-UT-G3
ASW40K-UT-G3	ASW45K-LT-G3	ASW50K-LT-G3
ASW60K-LT-G3	ASW75K-LT	ASW80K-LT
ASW100K-LT	ASW110K-LT	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ASW xxxK LT via datalogger

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	255
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ASW xxxK LT via datalogger

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunGrow

Power Conversion System

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	60
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Sungrow Power Conversion Systems consist of several inverter/battery units. This affects the total amount of devices that can be connected to the blue'Log. This system consists of 2 devices (1 inverter and 1 battery).

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_F_AC	Grid frequency
B_LIM_I_CHARGE	Maximum charging current
B_LIM_I_DISCHARGE	Maximum discharging current
B_LIM_P_CHARGE	Maximum charging power
B_LIM_P_DISCHARGE	Maximum discharging power
B_SOC	State of charge
COS_PHI	Power factor (cos phi)
D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SC1000UD	SC1200UD	SC1250UD
SC1375UD	SC1575UD	SC1725UD
SC2000UD	SC2500UD	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SC3450UD/ST3727KWH (L) with LC100

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ During the scan up to 42 inverter and up to 21 batterie devices can be created.

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_LIM_I_CHARGE	Maximum charging current
B_LIM_I_DISCHARGE	Maximum discharging current
B_SOC	State of charge
B_SOH	State of health
B_T_CELL_MAX1_1	Maximal cell temperature rack 1 module 1
B_T_CELL_MIN1_1	Minimum cell temperature rack 1 module 1
B_T_U1	Temperature outside 1
B_T_U2	Temperature outside 2
B_U_CELL_MAX1_1	Maximal cell voltage rack 1 module 1
B_U_CELL_MIN1_1	Minimum cell voltage rack 1 module 1
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

BSC100	LC100	SC2400UD
SC2500UD	SC2750UD	SC3150UD
SC3450UD	SC4000UD	SC5000UD
ST3727KWH (L)		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SG 3125-3400HV/HV-MV/U

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	77
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	5 seconds
Delay:	0.025 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Sungrow Turnkey Stations consist of several module/inverter units. This affects the total amount of devices that can be connected to the blue'Log. This station consists of 4 devices (3 inverter and 1 string combiner).

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I (1,...x)	Current DC (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SG3125HV	SG3125HV-MV	SG3150U
SG3400HV	SG3400HV-MV	SG4950HV-MV
SG6250/6800HV-MV		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SG1 - SG350 (string inverter)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8O1, 8O2, 8N1, 8N2, 8E1, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Direct connection via Modbus TCP of capable Sungrow inverters to blue'Log is not recommended.
ⓘ For connection of blue'Log to Sungrow inverters via Sungrow Logger1000/3000/4000 the below software versions are required for the Sungrow Loggers:

-Logger1000: LOGGER-SV300.001.00.P003
-Logger3000: LOGGER-SV200.001.00.P003
-Logger4000: LOGGER-SV200.001.00.P00

In case blue'Log should get connected via RS485 to Sungrow Logger1000/3000/4000 recommendation is to not connect more than 20 inverters to a single RS485 interface of the Logger1000/3000/4000.
ⓘ If the inverters are connected via a SunGrow logger device this logger has to be on Modbus address 247 (Default setting of the SunGrow logger devices) to ensure correct power control mapping.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	Yes

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ In order for the inverter to use Q@night, the function must first be activated in the inverter via the user interface.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T	Temperature
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

LOGGER
SG2.0RS-S-P2
SG3_0RS-L
SG3.0RT
SG3K6-D
SG4_0RS-L
SG4.0RT (AUS)
SG4KTL-EC
SG5_0RS-L
SG5.0RT
SG5KTL-MT
SG6_0RTP2
SG6KTL-EC
SG7.0RT
SG8_0RS-L
SG8.0RT (AUS)
SG9_0RS
SG10KTL-EC
SG10RS
SG10RT (AUS)
SG12KTL-EC
SG12RT (AUS)
SG15KTL
SG15RT (AUS)
SG17KTL-M
SG17RTP2
SG20KTL-M
SG20RT (AUS)
SG23RT
SG25CX-P2
SG25RT
SG30CX
SG30KTL
SG30KTL-M-V31
SG33CX-P2
SG33KTL-M-20
SG36CX-P2
SG36KTL-M
SG36KU
SG40KTL
SG49.5CX-JP
SG50CX-P2
SG50KTL-M-20
SG60KTL
SG60KU-M
SG80BF
SG80KTL-M
SG100CX
SG110CX
SG110HV-M
SG125HV
SG125HX-JP
SG150CX
SG225HX
SG250HX-IN-20
SG320HX
SG350HX

LP_P34KSG
SG2K5-S
SG3_0RS-S
SG3.0RT (AUS)
SG3KTL-EC
SG4_0RTP2
SG4K6-D
SG5_0RS
SG5_0RTP2
SG5.0RT (AUS)
SG6_0RS
SG6.0RT
SG6KTL-MT
SG7.0RT (AUS)
SG8_0RTP2
SG8KTL-EC
SG9_0RS-L
SG10KTL-M
SG10RS-L
SG10RTP2
SG12KTL-M
SG12RTP2
SG15KTL-M
SG15RTP2
SG17RT
SG20CX-P2-LV
SG20KU
SG20RTP2
SG23RT (AUS)
SG25CX-P2-LV
SG25RT (AUS)
SG30CX-P2
SG30KTL_V31
SG30KU
SG33K3J
SG33KTL-M-V2
SG36CX-US
SG36KTL-M-20
SG40CX
SG40KTL_V21
SG49K5J
SG50KTL
SG50KTL-M-V2
SG60KTL-M
SG75CX
SG80HV
SG80KTL-M-20
SG100CX-JP
SG110CX-P2
SG111HV
SG125HV-20
SG132TX
SG150TX
SG250HX
SG250HX-US
SG320HX-20
SG350HX-20

SG2_5RS-S
SG3_0RS
SG3_0RTP2
SG3.6RS
SG4_0RS
SG4.0RT
SG4KTL
SG5_0RS-ADA
SG5_5RS-JP
SG5KTL-EC
SG6_0RS-L
SG6.0RT (AUS)
SG7_0RTP2
SG8_0RS
SG8.0RT
SG8KTL-M
SG10KTL
SG10KTL-MT
SG10RT
SG12KTL
SG12RT
SG15CX-P2-LV
SG15RT
SG16K6J
SG17RT (AUS)
SG20KTL
SG20RT
SG22RT
SG23RTP2
SG25CX-SA
SG25RTP2
SG30KJ
SG30KTL-M
SG33CX
SG33KTL-M
SG34KJ
SG36KTL
SG36KTL-M-V2
SG40CX-P2
SG40KTL-M
SG50CX
SG50KTL-M
SG60CX-US
SG60KU
SG75CX-P2
SG80KTL
SG85BF
SG100K3
SG110CX-P2-CN
SG125CX-P2
SG125HX
SG136TX
SG200HX-US
SG250HX-IN
SG285HX
SG333HX
SG350HX-US

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SG500 - SG3600 (turnkey station)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Sungrow Turnkey Stations consist of several module/inverter units (up to 4).
Depending on the amount of module/inverter units the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x Sungrow Turnkey Station with 4 module/inverter units = 4 devices).

ⓘ The SG8800 is implemented through two SG4400, with each having 4 inverter modules. Both IP Addresses of the SG8800 has to be scanned. So the SG8800 will be shown as two SG4400 and a total of 8 inverter modules, after the scan.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ For models SG3300UD and SG4400UD(-MV-20) please do a new scan after updating to protocol version > 1.0.07 in order to use the correct event mappings.

SUPPORTED DEVICES

Turnkey Station series

SG500MX	SG500MX-M	SG630MX
SG630MX-M	SG750MX	SG800MX
SG1000	SG1000HV	SG1000MX
SG1250	SG1250-MV	SG1250HV
SG1250UD	SG1500/SG1500UD	SG1500HV
SG2000	SG2000-MV	SG2500
SG2500-MV	SG2500HV	SG2500HV-MV
SG2500HV(-MV)	SG2500U	SG2500UD
SG2500UD-MV	SG3000HV-MV-30	SG3300UD
SG3600UD	SG4400UD/SG4400UD-MV-20	

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COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	61
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_CHARGE_LEVEL	Charging status
B_I_DC	Current charging current DC
B_LIM_I_CHARGE	Maximum charging current
B_LIM_I_DISCHARGE	Maximum discharging current
B_P_DC	Battery power
B_SOC	State of charge
B_SOH	State of health
B_T_CELL_MAX1_1	Maximal cell temperature rack 1 module 1
B_T_CELL_MIN1_1	Minimum cell temperature rack 1 module 1
B_U_CELL_AVG	Cell voltage mean value
B_U_CELL_MAX1_1	Maximal cell voltage rack 1 module 1
B_U_CELL_MIN1_1	Minimum cell voltage rack 1 module 1
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SH3.0RS	SH3.6RS	SH3K6
SH3K6-30	SH4.0RS	SH4K6
SH4K6-30	SH5.0RS	SH5.0RT
SH5.0RT-20	SH5.0RT-V112	SH5.0RT-V122
SH5K-20	SH5K-30	SH5K-V13
SH5T-V11	SH6.0RS	SH6.0RT
SH6.0RT-20	SH6.0RT-V112	SH6.0RT-V122
SH8.0RS	SH8.0RT	SH8.0RT-20
SH8.0RT-V112	SH8.0RT-V122	SH8T-V11
SH10RS	SH10RT	SH10RT-20
SH10RT-V112	SH10RT-V122	SH10T-V11
SH12T-V11	SH15T-V11	SH20T-V11
SH25T-V11		

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SunSpec Alliance
Compatible inverter

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	41
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ If the device provides SunSpec models from more than one SunSpec device type the total amount of devices varies that can be connected to one blue'Log.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160
Model 701	Model 704	Model 714

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Compatible inverter

Please contact Sales for details of compatibility with devices not listed.
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SunSynk

Hybrid inverter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ During the scan one inverter and two battery devices are created.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_P_DC	Battery power
B_SOC	State of charge
B_U_DC	Battery voltage
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SUNSYNC-25K-SG01HP3-AU-BM2	SUNSYNC-25K-SG01HP3-EU-BM2	SUNSYNC-29.9K-SG01HP3-AU-BM3
SUNSYNC-29.9K-SG01HP3-EU-BM3	SUNSYNC-30K-SG01HP3-AU-BM3	SUNSYNC-30K-SG01HP3-EU-BM3
SUNSYNC-35K-SG01HP3-AU-BM3	SUNSYNC-35K-SG01HP3-EU-BM3	SUNSYNC-40K-SG01HP3-AU-BM4
SUNSYNC-40K-SG01HP3-EU-BM4	SUNSYNC-50K-SG01HP3-AU-BM4	SUNSYNC-50K-SG01HP3-EU-BM4

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sunways
STS, STT

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	40
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

STS series

STS-1.5KTL-S	STS-1KTL-S	STS-2.5KTL-S
STS-2KTL-S	STS-3.6KTL	STS-3KTL
STS-3KTL-S	STS-4.2KTL	STS-4.6KTL
STS-5KTL		

STT series

STT-6KTL	STT-8KTL	STT-10KTL
STT-12KTL	STT-15KTL	STT-17KTL
STT-20KTL	STT-25KTL	STT-50KTL
STT-60KTL	STT-70KTL-HV	STT-75KTL-HV

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Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Tabuchi Electric
MBX03_US2

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	51
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 101	Model 102	Model 103
Model 122	Model 123	Model 160

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MBX03_US2

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TBEA

PLUS & BF

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	57
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
I_DC (1,...x)	Current DC string (1,...x)
OT_AC_TOTAL	Total operating hours
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PLUS & BF

Please contact Sales for details of compatibility with devices not listed.
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TS3-110KTL

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7E1, 8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

TS3KTL-A20	TS4KTL-A20	TS5KTL-A20
TS6KTL-A20	TS8KTL-A20	TS10KTL-A20
TS12KTL-A20	TS13KTL-A20	TS15KTL-A20
TS17KTL-A20	TS20KTL-A20	TS25KTL-A20
TS27KTL-A20	TS30KTL-A20	TS33KTL-A20
TS36KTL-A20	TS40KTL-A20	TS45KTL-A20
TS50KTL-A20	TS60KTL-A20	TS75KTL-A20
TS80KTL-A20	TS100KTL-A20	TS110KTL-A20

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COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVF-L0100	PVF-T0100	PVF-T0100-S
PVF-T0100R		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 175

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVG-L0175	PVL-L0175

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 250

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVF-L0250	PVF-T0250	PVG-L0250
PVL-L0250		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 490

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVL-L490

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 500

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVF-L0500	PVL-L0500	PVL-L0500E
PVL-L0500E(J)	PVl-L0500E-D	PVL-L0500E-S
PVL-L0500U		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 630

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVL-L0630E	PVL-L0630E(J)	PVL-L0630E-D
PVL-L0630E-S	PVL-L0630U	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 665

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVL-L0665E

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 675

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVL-L0675E

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 750

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVF-L0750	PVL-L0750E	PVL-L0750E-S

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 833

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVL-L0833GR

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 1000

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVF-L1000	PVL-L1000E(J)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 1000ERM

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVL-L1000ERM(J)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 1250

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVH-L1250ER(J)	PVL-L1250ER(J)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 1667

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVL-L1250ER(J)	PVL-L1667GR	PVL-L1667GRQ

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 1833

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series

PVL-L1833ERM	PVL-L1833GR	PVL-L1833GRM
PVL-L1833GRQ		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 2220

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVH-L2220E

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVH-L2500ER(J)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 2550

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVH-L2550E

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 2700

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVH-L2700ER(J)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOLAR WARE 3200

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note depending on the used setpoint method there is no value for either "P_AC_SET-ABS" (Absolute active power setpoint) or "P_AC_SET_REL" (Relative active power setpoint) available.

SUPPORTED DEVICES

SOLAR WARE series
PVH-L3200ER(J)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Vacon

NX

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	46
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
P_AC	Power AC
Q_AC	Reactive power
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

NX

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Color Control GX Inverter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

WSTECH

APS series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

APS1000-PV-1-550-5	APS1045-PV-1-575-5	APS1090-PV-1-600-5
APS1140-PV-1-630-5	APS1200-PV-1-660-5	APS1250-PV-1-690-5
APS2000-PV-2-550-5	APS2090-PV-2-575-5	APS2180-PV-2-600-5
APS2280-PV-2-630-5	APS2400-PV-2-660-5	APS2500-PV-2-690-5
APS3000-PV-3-550-5	APS3135-PV-3-575-5	APS3270-PV-3-600-5
APS3420-PV-3-630-5	APS3600-PV-3-660-5	APS3750-PV-3-690-5
APS4000-PV-4-550-5	APS4180-PV-4-575-5	APS4360-PV-4-600-5
APS4560-PV-4-630-5	APS4800-PV-4-660-5	APS5000-PV-4-690-5

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MCS7180-PV-4-660

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MCS7180-PV-4-660

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Yaskawa Solectria
PVI 14-60TL

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PVI series

PVI-14TL-208	PVI-20TL-480	PVI-23TL-480
PVI-28TL-480	PVI-36TL-480	PVI-50TL-480
PVI-60TL-480		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PVI 95

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	No
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PVI 95

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Zucchetti Centro Sistemi

AZZURO HYD 2000

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	No
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No
Reactive power compensation (beyond feed-in operation):	No

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_P_DC	Battery power
B_SOC	State of charge
B_SOH	State of health
B_U_DC	Battery voltage
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

AZZURO HYD 2000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	SOFAR_SOLAR_MODBUS_ETHERNET
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	SOFAR_SOLAR_MODBUS_RTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL PV

Active power constraint:	Yes
Fast stop:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes
Reactive power compensation (beyond feed-in operation):	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC (1,...x)	Current DC string (1,...x)
I_DCX_Y	Current DC (1,...x).(1,...x)
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC (1,...x)	Power DC string (1,...x)
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC (1,...x)	Voltage DC string (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

1PH 1100-3300TL-V3 series

1PH 1100TL-V3	1PH 1600TL-V3	1PH 2200TL-V3
1PH 2700TL-V3	1PH 3000TL-V3	1PH 3300TL-V3

1PH 1100TL-3000TL-V1 series

1PH 1100TL-V1	1PH 1600TL-V1	1PH 2200TL-V1
1PH 2700TL-V1	1PH 3000TL-V1	

1PH 3000-6000-V1 series

1PH 3000TLM-V1	1PH 3680TLM-V1	1PH 4000TLM-V1
1PH 4600TLM-V1	1PH 5000TLM-V1	1PH 6000TLM-V1

1PH 3000-6000-V2 series

1PH 3000TLM-V2	1PH 3680TLM-V2	1PH 4000TLM-V2
1PH 4600TLM-V2	1PH 5000TLM-V2	1PH 6000TLM-V2

1PH 3000TLM-6000TLM-V3 series

3PH 3000-TLM-V3	3PH 3680-TLM-V3	3PH 4000-TLM-V3
3PH 4600-TLM-V3	3PH 5000-TLM-V3	3PH 6000-TLM-V3

1PH HYD 3-6K ZP1 series

1PH HYD 3000 ZP1	1PH HYD 3680 ZP1	1PH HYD 4000 ZP1
1PH HYD 4600 ZP1	1PH HYD 5000 ZP1	1PH HYD 6000 ZP1

1PH HYD 3000/6000 ZSS HP series

1PH HYD 3000 ZSS HP	1PH HYD 3600 ZSS HP	1PH HYD 4000 ZSS HP
1PH HYD 4600 ZSS HP	1PH HYD 5000 ZSS HP	1PH HYD 6000 ZSS HP

1PH HYD3000-6000 ZSS series

1PH HYD3000 ZSS	1PH HYD3600 ZSS	1PH HYD4000 ZSS
1PH HYD5000 ZSS	1PH HYD6000 ZSS	

1PH HYD3000-6000 ZSS-HP series

1PH HYD3000 ZSS HP	1PH HYD3680 ZSS HP	1PH HYD4000 ZSS HP
1PH HYD5000 ZSS HP	1PH HYD5500 ZSS HP	1PH HYD6000 ZSS HP

3PH 3.3KTL-12KTL-V1 series

3PH 3.3KTL-V1	3PH 4.4KTL-V1	3PH 5.5KTL-V1
3PH 6.6KTL-V1	3PH 8.8KTL-V1	3PH 11KTL-V1
3PH 12KTL-V1		

3PH 3.3KTL-12KTL-V3 series

3PH 3.3KTLX-V3	3PH 4.4KTLX-V3	3PH 5.5KTLX-V3
3PH 6.6KTLX-V3	3PH 8.8KTLX-V3	3PH 11KTLX-V3
3PH 12KTLX-V3		

3PH 10KTL-15KTL-V2 series

3PH 10KTL-V2	3PH 12KTL-V2	3PH 15KTL-V2

3PH 10KTL-20KTL-V1 series

3PH 10KTL-V1	3PH 15KTL-V1	3PH 17KTL-V1
3PH 20KTL-V1		

3PH 15KTL-24KTL-V3 series

3PH 15000TL-V3	3PH 17000TL-V3	3PH 20000TL-V3
3PH 22000TL-V3	3PH 24000TL-V3	

3PH 25KTL-50KTL-V3 series

3PH 25KTLX-V3	3PH 30KTLX-V3	3PH 33KTLX-V3
3PH 36KTLX-V3	3PH 40KTLX-V3	3PH 45KTLX-V3
3PH 50KTLX-V3		

3PH 30KTL-40-HV-V1 series

3PH 30KTL-V1	3PH 33KTL-V1	3PH 40KTL-V1-HV

3PH 50KTL-70KTL-HV-V1 series

3PH 50KTL-V1	3PH 60KTL-V1	3PH 70KTL-V1-HV

3PH 60KTL-80KTL-V3 series

3PH 60KTL-V3	3PH 80KTL-V3

3PH 80KTL-LV…136-HV series

3PH 80KTL-LV	3PH 100KTL-HV	3PH 100KTL-LV
3PH 110KTL-LV	3PH 125KTL-HV	3PH 136KTL-HV

3PH 255KTL-HV series

3PH 255KTL-HV

3PH 20000KTL-33000KTL-V2 series

3PH 20000TL-V2	3PH 25000TL-V2	3PH 30000TL-V2
3PH 33000TL-V2		

3PH HYD5000…20000 ZSS series

3PH HYD5000 ZSS	3PH HYD6000 ZSS	3PH HYD8000 ZSS
3PH HYD10000 ZSS	3PH HYD15000 ZSS	3PH HYD20000 ZSS

100-110KTL-V4 series

3PH 100KTL-V4	3PH 110KTL-V4

250-350KTL series

3PH 250KTL-HV Z0	3PH 350KTL-HV Z0

ⓘ Only inverter models with less than 50kW rated power with firmware version >= 2.72 get supported.
ⓘ Only inverter models with 50kW or more rated power with firmware version >= 2.40 get supported.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sensor

Atonometrics

Mars

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	16
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	6
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	16

Timings

Timeout:	3 seconds
Delay:	5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SLI1	Soiling loss 1
SR1	Soiling ratio 1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Mars

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Brodersen

PT100 with converter PXT-10

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PT100 with converter PXT-10

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PT1000 with converter PXT-11

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PT1000 with converter PXT-11

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Campbell Scientific

ClimaVue 40

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_AH_REL1	Humidity, relative
E_AP_ABS1	Air pressure, absolute
E_DROPS_TOTAL	Total drops
E_LIGHTNING_COUNT	Lightning events interval
E_PRECIPITATION	Precipitation type
E_W_D1	Wind direction 1
E_W_D3	Wind direction 3
E_W_D4	Wind direction 4
E_W_S1	Wind speed 1
E_W_S2	Wind speed 2
E_W_S3	Wind speed 3
E_W_S4	Wind speed 4
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ClimaVue 40

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CR-PVS1

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	11
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	11

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I_SC1	Short circuit current 1
I_SC2	Short circuit current 2
SLI	Soiling loss
SLI_RAW	Soiling loss raw
SRAD1	Irradiance 1
SRAD2	Irradiance 2
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CR-PVS1

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CR-PVS2

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	11
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I_SC1	Short circuit current 1
I_SC2	Short circuit current 2
SLI	Soiling loss
SRAD1	Irradiance 1
SRAD2	Irradiance 2
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CR-PVS2

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

contrel elettronica srl

CTT4

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CTT4 series

CTT4

CTT8 series

CTT8

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CTT8

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CTT4 series

CTT4

CTT8 series

CTT8

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DatasolMet
Mu38s

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	38400 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_W_S1	Wind speed 1
SRAD1	Irradiance 1
SRAD2	Irradiance 2
SRAD3	Irradiance 3
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Mu38s

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DAVIS
VantagePro2

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_AH_REL1	Humidity, relative
E_RF_ABS1	Precipitation quantity, absolute
E_W_D	Wind direction
E_W_S	Wind speed
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

VantagePro2

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DeltaOhm

HD53LSS

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_W_D1	Wind direction 1
E_W_D2	Wind direction 2
E_W_S1	Wind speed 1

ⓘ The actual recorded values may vary depending on the device model or firmware.

ⓘ The units of some measured values can be modified. Only the default unit settings are supported

SUPPORTED DEVICES

HD53LSS

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

HD523D17R

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_AH_ABS1	Humidity, absolute 1
E_AH_REL1	Humidity, relative
E_W_D1	Wind direction 1
E_W_D2	Wind direction 2
E_W_S1	Wind speed 1
SRAD1	Irradiance 1
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ The units of some measured values can be modified. Only the default unit settings are supported

SUPPORTED DEVICES

HD523D17R

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

LPPYRA10S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
SRAD1	Irradiance 1
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

LPPYRA10S

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Dini Argeo
DGT20

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7E1, 7N1, 7E2, 7N2, 8E1, 8N1, 8E2, 8N2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SNOW_LOAD1	Snow load 1
SNOW_LOAD2	Snow load 2
SNOW_LOAD3	Snow load 3
SNOW_LOAD4	Snow load 4

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DGT20

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

EKO Instruments
MS series

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8O1, 8E1
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MS-40M	MS-60M	MS-80M

Via additional Modbus converter (MC-20) series

ML-01	MS-40	MS-60
MS-80	MS-802	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MS-80SH

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_AH_REL1	Humidity, relative
E_TILT1	Sensor tilt 1
E_TILT2	Sensor tilt 2
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MS-80SH

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Fracsun
ARES

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 14400 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8E1
Default address:	42

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I_SC1	Short circuit current 1
I_SC2	Short circuit current 2
SLI1	Soiling loss 1
SR1	Soiling ratio 1
SRAD1	Irradiance 1
SRAD2	Irradiance 2
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ARES

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ARES(>=V38)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 14400 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8E1
Default address:	42

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I_SC1	Short circuit current 1
I_SC2	Short circuit current 2
SLI1	Soiling loss 1
SR1	Soiling ratio 1
SRAD1	Irradiance 1
SRAD2	Irradiance 2
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ARES(>=V38)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

WASH_EXTENSION

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 14400 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8E1
Default address:	43

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

E_AH_REL1	Humidity, relative
STATE (1,...x)	Status (1,...x)
T	Temperature
WD_P	Pump motor power
WD_U	Battery voltage

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

WASH_EXTENSION

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Fuji Electric
Water Level Transmitter

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

WATER_DEPTH	Water depth

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Water Level Transmitter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Huawei
SmartLogger 2000/3000 EMI

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
SRAD2	Irradiance 2
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SmartLogger 2000/3000 EMI

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Hukseflux
SR Series

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	7
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	6 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_F_S	Fan speed
E_IH_REL	Internal relative humidity
E_IP_ABS	Internal air pressure
E_TILT	Sensor tilt
SRAD	Irradiance
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SR05-D1A3	SR20-D1	SR20-D2
SR30-D1	SR30-M2-D1	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SR20-TR/D2

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SR20-TR/D2

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SRX00-D1

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

E_F_S	Fan speed
E_IH_REL	Internal relative humidity
E_IP_ABS	Internal air pressure
E_TILT	Sensor tilt
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SRX00-D1 series

SR100-D1	SR200-D1	SR300-D1

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

HYXCBJ
HYXC-HYGTR

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 14400 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

HYXC-HYGTR

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

HYXC-UWDS5/6

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 14400 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

E_AH_REL1	Humidity, relative
E_ALT1	Altitude
E_AP_ABS1	Air pressure, absolute
E_PRECIPITATION	Precipitation type
E_RF_ABS1	Precipitation quantity, absolute
E_RF_I1	Precipitation intensity
E_W_D1	Wind direction 1
E_W_D2	Wind direction 2
E_W_S1	Wind speed 1
SRAD1	Irradiance 1
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

HYXC-UWDS5/6

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Kipp & Zonen
DustIQ

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	26
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ For connection to the blue'Log the device needs to be configured to zero-based registers.
ⓘ Please note that the connection of the DustIQ via Modbus TCP is only possible in combination with additional hardware. By default the connection is only possible via RS485 (Modbus RTU).

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SLI1	Soiling loss 1
SLI2	Soiling loss 2
SR1	Soiling ratio 1
SR2	Soiling ratio 2
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DustIQ

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RaZON+

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	7E1, 7N1, 7O1, 8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_SRAD	Global irradiation energy
SRAD1	Irradiance 1
SRAD_DIFFUSE1	Diffuse irradiance 1
SRAD_DIRECT1	Direct irradiance 1
SUN_H	Sunshine duration

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RaZON+

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RT1

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	38400 bps, 19200 bps, 9600 bps, 4800 bps, 2400 bps, 1200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
SRAD1	Irradiance 1
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RT1

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SMPx (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SMPx (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SMPx, SGRx, SHPx, PR1, PH1, SUVx (Modbus)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	26
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8O1, 8O2, 8E1, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note that the connection of the SMPx, SGRx, SHPx, PR1, PH1, SUVx via Modbus TCP is only possible in combination with additional hardware. By default the connection is only possible via RS485 (Modbus RTU).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
SRAD	Irradiance
SRAD1	Irradiance 1
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PH series

PH1

PR series

PR1

RT series

SUV5

SGR series

SGR3 SGR4

SHP series

SHP1		

SMP series

SMP3	SMP6	SMP10
SMP11	SMP21	SMP22

SMP12 series

SMP12		

SUV series

SUV-A	SUV-B	SUV-E
SUV5		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

WS50PV

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8N2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

E_AH_REL1	Humidity, relative
E_ALT1	Altitude
E_AP_ABS1	Air pressure, absolute
E_AP_REL1	Air pressure, relative
E_DEWPOINT	Dewpoint
E_PRECIPITATION	Precipitation type
E_RF_ABS1	Precipitation quantity, absolute
E_RF_DIF1	Differential precipitation 1
E_RF_I1	Precipitation intensity
E_W_D	Wind direction
E_W_S1	Wind speed 1
E_W_S_(1,...x)_MAX	Maximum wind speed (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

WS50PV

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Lufft

Sensor

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sensor

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

WSxxx

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1.5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note that the connection of the WSxxx via Modbus TCP is only possible in combination with additional hardware. By default the connection is only possible via RS485 (Modbus RTU).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_AH_ABS1	Humidity, absolute 1
E_AH_REL1	Humidity, relative
E_ALT1	Altitude
E_AP_ABS1	Air pressure, absolute
E_AP_REL1	Air pressure, relative
E_DEWPOINT	Dewpoint
E_DRIZZLE_PARTICLES	Drizzle particles
E_DROPS_TOTAL	Total drops
E_DROP_COUNT_00_05	Drop size < 0.5 mm
E_DROP_COUNT_05_10	Drop size 0.5 ... 1.0 mm
E_DROP_COUNT_10_15	Drop size 1.0 ... 1.5 mm
E_DROP_COUNT_15_20	Drop size 1.5 ... 2.0 mm
E_DROP_COUNT_20_25	Drop size 2.0 ... 2.5 mm
E_DROP_COUNT_25_30	Drop size 2.5 ... 3.0 mm
E_DROP_COUNT_30_35	Drop size 3.0 ... 3.5 mm
E_DROP_COUNT_35_40	Drop size 3.5 ... 4.0 mm
E_DROP_COUNT_40_45	Drop size 4.0 ... 4.5 mm
E_DROP_COUNT_45_50	Drop size 4.5 ... 5.0 mm
E_DROP_COUNT_50_55	Drop size 5.0 ... 5.5 mm
E_DROP_COUNT_55	Drop size > 5.5 mm
E_HAIL_PARTICLES	Hail particles
E_LIGHTNING_COUNT	Lightning events interval
E_PRECIPITATION	Precipitation type
E_RF_DIF	Differential precipitation
E_RF_I1	Precipitation intensity
E_RF_PARTICLES	Total precipitation particles
E_SNOW_PARTICLES	Snow particles
E_W_D	Wind direction
E_W_S	Wind speed
E_W_S_(1,...x)_MAX	Maximum wind speed (1,...x)
QS_WM	Wind measurement quality
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T	Temperature
T (1,...x)	Temperature (1,...x)
T_H_PS	Heating temperature precipitation sensor
T_H_WS	Heating temperature wind sensor
T_WC	Wind chill temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

WS100	WS100(V48)	WS200
WS300	WS301	WS302
WS303	WS304	WS310
WS400	WS401	WS500
WS501	WS502	WS503
WS504	WS510	WS600
WS601	WS700	WS800

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Manufacturer-neutral
Analog input (0 - 10 V)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

A_IN1	Analog input 1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Analog input (0 - 10 V)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Analog input (0 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

A_IN1	Analog input 1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Analog input (0 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PT1000

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 Ohm

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PT1000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Meier-NT
ADL-SR

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	2

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD1	Irradiance 1
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ADL-SR

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MEINS

Power Station

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_AH_REL1	Humidity, relative
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Power Station

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

meteocontrol
Hygro-Thermosensor compact

COMMUNICATION

Interface (E_AH_REL1):	Multi Input (MI), 0 - 20 mA
Interface (T):	Multi Input (MI), 0 - 20 mA
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_AH_REL1	Humidity, relative
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Hygro-Thermosensor compact

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PT100 compact

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PT100 compact

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-12TC

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Si-12TC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-12TC-T

COMMUNICATION

Interface (SRAD):	Multi Input (MI), 0 - 10 V
Interface (T):	Multi Input (MI), 0 - 10 V
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Si-12TC-T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-020TC

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Si-020TC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-020TC-T

COMMUNICATION

Interface (SRAD):	Multi Input (MI), 0 - 20 mA
Interface (T):	Multi Input (MI), 0 - 20 mA
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Si-020TC-T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-420TC

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Si-420TC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-420TC-T

COMMUNICATION

Interface (SRAD):	Multi Input (MI), 0 - 20 mA
Interface (T):	Multi Input (MI), 0 - 20 mA
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Si-420TC-T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-I-420

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Si-I-420

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-I-420-T

COMMUNICATION

Interface (SRAD):	Multi Input (MI), 0 - 20 mA
Interface (T):	Multi Input (MI), 0 - 20 mA
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Si-I-420-T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-RS485TC-(X)T-MB

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Firmware ≥ 2.01 required to use the second temperature sensor.
ⓘ Temperature 1 = Module temperature (internal measurement)
Temperature 2 and 3 = Ambient (sensor Tamb-Si) or module temperature (sensor Tmodul-Si) depending on connected sensors

SUPPORTED DEVICES

Si-RS485TC-(X)T-MB

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-RS485TC-2T-V-MB

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_S	Wind speed
SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Temperature 1 = Module temperature (internal measurement)
Temperature 2 = Ambient temperature

SUPPORTED DEVICES

Si-RS485TC-2T-V-MB

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-RS485TC-T-MB

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Si-RS485TC-T-MB

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-RS485TC-T-Tm-MB

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Firmware ≥ 2.01 required to use the second temperature sensor.
ⓘ Temperature 1 = Module temperature (internal measurement)
Temperature 2 and 3 = Ambient (sensor Tamb-Si) or module temperature (sensor Tmodul-Si) depending on connected sensors

SUPPORTED DEVICES

Si-RS485TC-T-Tm-MB

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-V-010

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Si-V-010

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Si-V-010-T

COMMUNICATION

Interface (SRAD):	Multi Input (MI), 0 - 10 V
Interface (T):	Multi Input (MI), 0 - 10 V
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Si-V-010-T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Ta-ext-RS485

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Ta-ext-RS485

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Tm-I-4090

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Tm-I-4090

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Tm-RS485

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note that the connection of the Tm-RS485 via Modbus TCP is only possible in combination with additional hardware. By default the connection is only possible via RS485 (Modbus RTU).

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Tm-RS485

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind direction classic (0 - 10 V)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_D	Wind direction

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Wind direction classic (0 - 10 V)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind direction classic (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_D	Wind direction

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Wind direction classic (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind direction compact (0 - 10 V)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_D	Wind direction

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Wind direction compact (0 - 10 V)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind direction compact (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_D	Wind direction

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Wind direction compact (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind speed classic (0 - 10 V)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_S	Wind speed

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Wind speed classic (0 - 10 V)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind speed classic (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_S	Wind speed

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Wind speed classic (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind speed compact (0 - 10 V)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_S	Wind speed

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Wind speed compact (0 - 10 V)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Wind speed compact (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_S	Wind speed

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Wind speed compact (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

NES
SOZ-03

COMMUNICATION

Interface:	Multi Input (MI), 0 - 1 V
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SOZ-03

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

NOHKEN

PLD121-11 (Water depth) Analog (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

WATER_DEPTH	Water depth

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PLD121-11 (Water depth) Analog (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Power Electronics
Protection system - HEMK + MVSKID

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note the driver only works in case blue'Log gets directly connected to MV SKID modules.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Protection system - HEMK + MVSKID

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Skid Station Gen2

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note the driver only works in case blue'Log gets directly connected to MV SKID modules.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Skid Station Gen2

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RainWise

PVMet Series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	96
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

Model 302	Model 303	Model 305
Model 307	Model 308	

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PVMet200	PVMet500

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RealTime
RTD-NET

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8O1, 8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RTD-NET

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Rika

RK200-03/04 A/B/X Dxx00

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

SRAD	Irradiance

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RK200-03ADxx00	RK200-03BDxx00	RK200-03XDxx00

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RK600-07B

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_W_S	Wind speed
SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RK600-07B

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SensorData

SENSOR_HM2V

Beta version (see chapter „Beta version“)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SENSOR_HM2V

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SEVEN Sensor Solutions
3S-IS

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	96
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

Model 302	Model 303	Model 305
Model 307	Model 308	

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

3S-IS	3S-MT

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sommer Messtechnik
USH-8/9 (0 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_SNOW_DEPTH	Snow depth

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

USH-8/9 (0 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

USH-8/9 (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_SNOW_DEPTH	Snow depth

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

USH-8/9 (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

USH-9 (Modbus)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8N2, 8O1
Frame settings default:	8N1
Default address:	35

Timings

Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

USH-9 (Modbus)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunGrow
Logger 1000/3000/4000 Meteo Station

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_AH_REL1	Humidity, relative
E_AP_ABS1	Air pressure, absolute
E_AP_REL1	Air pressure, relative
E_RF_ABS1	Precipitation quantity, absolute
E_W_D	Wind direction
E_W_S	Wind speed
SRAD1	Irradiance 1
SRAD2	Irradiance 2
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Logger 1000/3000/4000 Meteo Station

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PC-4 PRO

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_AP_ABS1	Air pressure, absolute
E_DEWPOINT	Dewpoint
E_IH_REL	Internal relative humidity
E_W_D	Wind direction
E_W_S	Wind speed
SRAD1	Irradiance 1
SRAD2	Irradiance 2
SRAD3	Irradiance 3
SRAD4	Irradiance 4
SRAD5	Irradiance 5
SRAD6	Irradiance 6
SRAD7	Irradiance 7
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PC-4 PRO

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunSpec Alliance
Compatible sensor

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	96
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

Model 302	Model 303	Model 305
Model 307	Model 308	

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Compatible sensor

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Thermokon
PT1000 with integrated converter

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PT1000 with integrated converter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Thermokon TF25+ (LCD)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8O1, 8N1, 8E1, 8N2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Thermokon TF25+ (LCD)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Thies Clima
7.1414.40.102

COMMUNICATION

Interface:	Multi Input (MI), 0 - 10 V
Timings	
Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

ILLUMINANCE	Illuminance

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

7.1414.40.102

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Precipitation Transmitter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
E_RF_ABS1	Precipitation quantity, absolute
E_RF_DIF	Differential precipitation
E_RF_I1	Precipitation intensity
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Precipitation Transmitter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PyranometerGsm3.3

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

SRAD1	Irradiance 1
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PyranometerGsm3.3

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TOKYO KEISO

UW3000 (Water depth) Analog (4 - 20 mA)

COMMUNICATION

Interface:	Multi Input (MI), 0 - 20 mA

Timings

Timeout:	2 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

WATER_DEPTH	Water depth

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

UW3000 (Water depth) Analog (4 - 20 mA)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

UW3000 (Water depth) Modbus

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note the driver only supports the default display mode: DSPMODE (BotDis).

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

T (1,...x)	Temperature (1,...x)
WATER_DEPTH	Water depth

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

UW3000 (Water depth) Modbus

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Vaisala
WXT53x series

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only devices with firmware greater than 3.85 get supported.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

E_AH_ABS1	Humidity, absolute 1
E_AH_REL1	Humidity, relative
E_AP_ABS1	Air pressure, absolute
E_AP_REL1	Air pressure, relative
E_PRECIPITATION	Precipitation type
E_RF_ABS1	Precipitation quantity, absolute
E_RF_DIF	Differential precipitation
E_RF_I1	Precipitation intensity
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

WXT531	WXT532	WXT533
WXT534	WXT535	WXT536

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Meter

a-eberle

PQI-DA smart

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	69
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only Firmware Version 'v2.14.6_21507' is supported.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PQI-DA smart	PQI-DE

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	99
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

A43	A44

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	94
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

B23/B24

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CM-UFD.MxxM

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	10 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CM-UFD series

CM-UFD.M22M	CM-UFD.M31M	CM-UFD.M33M
CM-UFD.M34M		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Emax Ekip

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_EQ_TOTAL	Reactive Energy total
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Ekip LCD	Ekip Touch

ⓘ "Only devices with firmware 2.24 and higher get supported

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

M2M Ethernet

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.25 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

M2M Ethernet

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

M4M-20

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	94
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

M4M series

M4M 20 Modbus	M4M 30 Modbus

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

REF615

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	85
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

REF615

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RER620

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RER620

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RET620

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	56
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RET620

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RIO600 - SIM8F

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RIO600 - SIM8F

ⓘ Please note that this driver doesn't support the smaller measurement module SIM4F.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Accuenergy
Acudc 240

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	10 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_DC_E_EXP	Active Energy DC (export)
M_DC_E_IMP	Active Energy DC (import)
M_DC_I	Current DC
M_DC_P	Power DC
M_DC_U	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Acudc 240

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

AcuRev 1310

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Acuvim II

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note connection of the Acuvim-II via Modbus SunSpec not possible with the existing Modbus SunSpec driver from meteocontrol.

It is possible to configure the "parameter mode" of the device in the system settings through the meters display. The device is only supported if the parameter mode "Primary" got selected.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_P_DEMAND	Active Power Demand
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_Q_DEMAND	Reactive Power Demand
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_S_DEMAND	Apparent Power Demand
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Acuvim II

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Acrel
APM

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	53
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8O1, 8E1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

APM800	APM801	APM810

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DTSD1352

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_EQ_TOTAL	Reactive Energy total
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DTSD1352

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

AEC
USM-1

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	47
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

USM-1

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Antarc-Automation

TicMaster (Pro)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	76
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 19200 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	20

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Driver ICE is supported from firmware version 41.38.

ⓘ Driver PME-PMI is supported from firmware version 41.38.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_TANPHI_EXPORT	Power factor export (tan(phi))
M_AC_PF_TANPHI_IMPORT	Power factor import (tan(phi))
M_AC_Q	Reactive power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

TicMaster series

TicMaster (Pro) ICE	TicMaster (Pro) Linky	TicMaster (Pro) PME-PMI
TicMaster (Pro) Saphir		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Automation One

A1EM.NG9

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

A1EM.NG9

ⓘ We currently support L1-L3 and only a 3-phase connection, not a single-phase connection.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Bender

ISOXX1685

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_DC_NE	Voltage DC negative pole to earth
U_DC_PE	Voltage DC positive pole to earth

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

iso1685DP-4	isoHR1685D-9	isoHV1685D-4
isoLR1685DP-3	isoPV1685DP	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

LINETRAXX VMD460-NA

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	2

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ For communication via Modbus RTU an additional gateway from Bender is needed.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

LINETRAXX VMD460-NA

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PEM353

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	56
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8E1
Default address:	100

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_EXP_T3	Active energy for Tariff 3 (export)
M_AC_E_EXP_T4	Active energy for Tariff 4 (export)
M_AC_E_EXP_T5	Active energy for Tariff 5 (export)
M_AC_E_EXP_T6	Active energy for Tariff 6 (export)
M_AC_E_EXP_T7	Active energy for Tariff 7 (export)
M_AC_E_EXP_T8	Active energy for Tariff 8 (export)
M_AC_E_IMP	Active energy (import)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_E_IMP_T3	Active energy for Tariff 3 (import)
M_AC_E_IMP_T4	Active energy for Tariff 4 (import)
M_AC_E_IMP_T5	Active energy for Tariff 5 (import)
M_AC_E_IMP_T6	Active energy for Tariff 6 (import)
M_AC_E_IMP_T7	Active energy for Tariff 7 (import)
M_AC_E_IMP_T8	Active energy for Tariff 8 (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_OT_TOTAL	Operation hours
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PEM353 PEM353-N PEM353-P

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Berg

UBN40

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

UBN40 1/5A CT	UBN40 80A direct connection	UBN40 Rogowski inputs

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CCK
CCK6700E

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	40
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7O1, 7E1, 7N2, 7O2, 7E2, 8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note for connection of the CCK6700E via TCP a RS485 to Ethernet converter is required.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_EXP_T1	Negative - Reactive Energy capacitive exported (Tariff 1)
M_AC_EQ_CAP_EXP_T2	Negative - Reactive Energy capacitive exported (Tariff 2)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_CAP_IMP_T1	Positive - Reactive Energy capacitive imported (Tariff 1)
M_AC_EQ_CAP_IMP_T2	Positive - Reactive Energy capacitive imported (Tariff 2)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_EXP_T1	Positive - Reactive Energy inductive exported (Tariff 1)
M_AC_EQ_IND_EXP_T2	Positive - Reactive Energy inductive exported (Tariff 2)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_EQ_IND_IMP_T1	Positive - Reactive Energy inductive imported (Tariff 1)
M_AC_EQ_IND_IMP_T2	Positive - Reactive Energy inductive imported (Tariff 2)
M_AC_E_EXP	Active energy (export)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_IMP	Active energy (import)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_E_MONTH_IMP	Active energy monthly (import)
M_AC_P_DEMAND_T1	Active Power Demand (Tariff 1)
M_AC_P_DEMAND_T2	Active Power Demand (Tariff 2)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CCK6700E

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CCS
WND-WR-MB

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

WND-WR-MB

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CEWE Instrument
Elite_500

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	71
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Elite_500

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Elite440

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	70
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Please note the models CEWE Elite 441 / 442 / 443 / 444 can't get used for Power Control.
ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ELITE440-441	ELITE440-442	ELITE440-443
ELITE440-444	ELITE440-445	ELITE440-446
ELITE440-447	ELITE440-448	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Prometer

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	85
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CEWEMod (Modbus converter from CEWE)

Prometer

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Prometer (Marcom Gateway)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Prometer (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Prometer 100

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	77
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Prometer 100

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Circutor

Cirwatt B series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	73
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Cirwatt B series

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CVM 96, Mini

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	73
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Only the CVM_MINI model can be used for power control. The other models cannot be used for power control.

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CVM series

CVM_96	CVM_MINI

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CVM-C10

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	66
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CVM-C10

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ComAp

InteliPro G59

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	64
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

InteliPro G59

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Daiichi Electronics
SQLC 110L

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SQLC 110L

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Deep Sea Electronics

DSEP100

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DSEP100

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DEIF

ASC4 Main meter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Depending on the amount of main meters connected to the DEIF Controller the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x DEIF ASC = up to 16 devices).

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ASC4 Main meter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

dpee

TH40 (Marcom Gateway)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

TH40 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TH40C

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	24
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

TH40C

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.
ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EDR-5000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IQ 35MA12 / IQ 35MA13

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	67
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IQ 35M series

IQ 35MA12	IQ 35MA13

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IQ 35MA22 / IQ 35MA23

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	50
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IQ 35M series

IQ 35MA22	IQ 35MA23

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

METER44

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	89
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_E_EXP	Active energy (export)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

METER44

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Power Xpert Meter 2000 / IQ 250/260

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 14400 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note the driver does not support the below settings:
- Data bits: 5 and 6

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IQ series

IQ250	IQ250L	IQ260
IQ260L		

PXM series

PXM2250	PXM2260	PXM2270
PXM2280	PXM2290	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

EDMI
SmartHub

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note the last two digits of the serial number of the connected meter represent the Modbus address of the device. It is not possible to connect two meters with identical Modbus addresses to the same RS485 bus.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SmartHub series

MK10E	MK10H

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Electro Industries/GaugeTech
Shark 100S

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	83
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Shark 100S

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Shark 200

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	74
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Shark 200

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Shark 250

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	85
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Shark 250

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Shark 270

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	74
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Shark 270

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Elektrometal Energetyka

e2Tango

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	96
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

e2Tango

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Elkor
WattsOn Mark II

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8O1, 8O2, 8E1, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

WattsOn Mark II

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Elster

A1140 (KoCos ME27.1)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

A1140 (KoCos ME27.1)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

A1500 (Marcom Gateway)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

A1500 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

A1700 (KoCos ME27.1)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

A1700 (KoCos ME27.1)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

A1700 (Marcom Gateway)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_F1	Grid frequency phase 1
M_AC_F2	Grid frequency phase 2
M_AC_F3	Grid frequency phase 3
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

A1700 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ALPHA A18xx

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7N1, 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ALPHA A1800	ALPHA A1882

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PowerCom2

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_EXP_T3	Active energy for Tariff 3 (export)
M_AC_E_IMP	Active energy (import)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_E_IMP_T3	Active energy for Tariff 3 (import)
M_AC_F1	Grid frequency phase 1
M_AC_F2	Grid frequency phase 2
M_AC_F3	Grid frequency phase 3
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

A1140	A1700

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

EMH

DIZ-G-MID

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	97
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8O1, 8N2, 8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_EXP_T2	Reactive energy Tariff 2 (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_EQ_IMP_T1	Reactive energy Tariff 1 (import)
M_AC_EQ_IMP_T2	Reactive energy Tariff 2 (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_EXP_T3	Active energy for Tariff 3 (export)
M_AC_E_EXP_T4	Active energy for Tariff 4 (export)
M_AC_E_IMP	Active energy (import)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_E_IMP_T3	Active energy for Tariff 3 (import)
M_AC_E_IMP_T4	Active energy for Tariff 4 (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DIZ-G-MID

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

LZQJ (Marcom Gateway)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_P	Power AC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

LZQJ (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Fanox
SIA-B/C series

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SIAB	SIAC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SIR-A

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	2
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	2

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SIR-A

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Frer
C96...L

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.015 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

C96...L

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	44
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.15 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

QUBO 96H

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Fronius
Smart Meter IP

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 201	Model 202	Model 203
Model 204	Model 211	Model 213

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Smart Meter IP

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

GE Multilin

PQMII Power Quality Meter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	39
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PQMII Power Quality Meter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Hager
ECR/ECA

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ECA series

ECA300C	ECA301C	ECA380D
ECA381D		

ECR series

ECR300C	ECR301C	ECR380D
ECR381D		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

HAKARU PLUS CORP
XM2-110-5

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_F	Grid frequency
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
M_AC_U_N	Zero phase voltage

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

XM2-110-5

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	70
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ComPass 2.0 B	ComPass 2.0 BS	ComPass 2.0 BS CR

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Huawei
SmartLogger 2000/3000 Power Meter

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SmartLogger 2000/3000 Power Meter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SmartPID2000

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_U	Voltage AC
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SmartPID2000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IME

NEMO 96HD

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	7E1, 7N1, 7O1, 8E1, 8N1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IME_NEMO_96HD

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SL7000 (Marcom Gateway)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SL7000 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Inepro Metering

Pro380-Mod

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_EXP_T1	Reactive energy Tariff 1 (export)
M_AC_EQ_EXP_T2	Reactive energy Tariff 2 (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_EQ_IMP_T1	Reactive energy Tariff 1 (import)
M_AC_EQ_IMP_T2	Reactive energy Tariff 2 (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_IMP	Active energy (import)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Pro380-Mod

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IntelliHub

Modbus Duo

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	25
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Please note the values "Reactive Energy total" and "Apparent Energy total" are only available for IntelliHub devices with firmware ≥ 2.20

SUPPORTED DEVICES

EDMI series

Mk7A	Mk7C	Mk10A
Mk10D	Mk10E	Mk10H

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ISKRA

ISKRA (Marcom Gateway)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ISKRA (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MC330

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N2, 8E2, 8O2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Two different Modbus value mappings can get selected via Modbus register 40100 of the "Iskra MC330" communication protocol. Please note that the driver only supports the value mapping "MC7X0". The value mapping "MI71X0" does not get supported.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MC330

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Iskraemeco

MT880 (CM-f3e Gateway)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	62
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note in case the Modbus address was not set manually it is made up as follows: 100 + the last two digits of the serial number of the connected meter. It is not possible to connect two meters with identical Modbus addresses.

ⓘ Please note for connection of the Iscraemeco MT-880 to blue'Log a "CM-f3e module" (Plug-in module for MT880) is required.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MT880 (CM-f3e Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MT880 (IOTMB880/MB880-X Gateway)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	247

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note for connection of the ISKRA MT880 to blue'Log a "Siemens IOTMB880" (Plug-in module for MT880) is required or a MB880-X module.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MT880 (IOTMB880/MB880-X Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Itron/Actaris
SL7000 (Elsist Gateway)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SL7000 (Elsist Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SL7000 (Marcom Gateway)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SL7000 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Janitza
UMG 96MID+

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ This driver supports the energy values according to the MID direct

SUPPORTED DEVICES

UMG 96MID+

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

UMG 503

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F1	Grid frequency phase 1
M_AC_F2	Grid frequency phase 2
M_AC_F3	Grid frequency phase 3
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

UMG 503

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

UMG 512 Pro

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ This driver supports the Current Vector sum: IN = I1 + I2 + I3

SUPPORTED DEVICES

UMG 512 Pro

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

UMG 604 (including Tariffs)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Please note for PV sites which have to be certified by VDE-AR-N 4110/4120 please use the driver profile "Janitza UMG series".

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_EXP_T3	Active energy for Tariff 3 (export)
M_AC_E_EXP_T4	Active energy for Tariff 4 (export)
M_AC_E_IMP	Active energy (import)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_E_IMP_T3	Active energy for Tariff 3 (import)
M_AC_E_IMP_T4	Active energy for Tariff 4 (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ M_AC_E_EXP_T1 = Real Energy, Con. HT-Tariff, L1+L2+L3
M_AC_E_EXP_T2 = Real Energy, Con. NT-Tariff, L1+L2+L3
M_AC_E_IMP_T1 = Real Energy, Supply HT-Tariff, L1+L2+L3
M_AC_E_IMP_T2 = Real Energy, Supply NT-Tariff, L1+L2+L3
M_AC_E_EXP_T3 = Real Energy, Con. HT-Tariff, L1+L2+L3
M_AC_E_EXP_T4 = Real Energy, Con. NT-Tariff, L1+L2+L3
M_AC_E_IMP_T3 = Real Energy, Supply HT-Tariff, L1+L2+L3
M_AC_E_IMP_T4 = Real Energy, Supply NT-Tariff, L1+L2+L3

SUPPORTED DEVICES

UMG 604 (including Tariffs)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

UMG 801

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

UMG 801

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

UMG 806

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

UMG 806

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

UMG series

UMG 96-S2	UMG 96PA	UMG 96PA-MID
UMG 96PA-MID+	UMG 96PQ-L	UMG 96PQ-L (IT)
UMG 96RM	UMG 96RM / -CBM / -P	UMG 96RM-E
UMG 96RM-EL	UMG 96RM-PN	UMG 103 CBM
UMG 104	UMG 508	UMG 509
UMG 511	UMG 512	UMG 604
UMG 605		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	19
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N2, 8O1, 8E1
Frame settings default:	8E1
Default address:	50

Timings

Timeout:	1 seconds
Delay:	0.2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F1	Grid frequency phase 1
M_AC_F2	Grid frequency phase 2
M_AC_F3	Grid frequency phase 3
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Grid-Inspector IKI-50

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Landis & Gyr
E650 (Marcom Gateway)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ You can connect up to 4 Landis & Gyr E650 meters to one Marcom gateway (e.g. 1 Marcom with 4 Landis & Gyr E650 = 4 devices).
ⓘ Please note for connection a firmware of 3.128 and higher of the Marcom gateway is required.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

E650 (Marcom Gateway)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ZMD402CT21

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ For this device the CU-XE211 communication module is needed.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_OT_TOTAL	Operation hours
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ZMD402CT21

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Legrand

EMDX

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_OT_TOTAL	Operation hours
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EMDX

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	1001
Default address:	1
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	87
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7O1, 7O2, 7E1, 7E2, 8N1, 8N2, 8O1, 8O2, 8E1, 8E2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PMVF series

PMVF20	PMVF30	PMVF50
PMVF51	PMVF60	PMVF80

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

LUMEL

ND45

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	25
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	0.6 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_E_EXP	Active energy (export)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_EXP_T3	Active energy for Tariff 3 (export)
M_AC_E_EXP_T4	Active energy for Tariff 4 (export)
M_AC_E_IMP	Active energy (import)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_E_IMP_T3	Active energy for Tariff 3 (import)
M_AC_E_IMP_T4	Active energy for Tariff 4 (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ND45

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Manufacturer-neutral
S0 energy meter

COMMUNICATION

Communication interface:	Digital Input (DI), Multi Input (MI)

Timings

Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

E_INT	Energy generated per interval

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

S0 energy meter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Metcom

Blue2Box500

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Blue2Box500

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MCS301

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	66
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ For communication via Modbus TCP an ethernet communication module (cm-300) is needed.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MCS301

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Meter Gateway
L-Box

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	http
Port:	8080
Default address:	0
Remote Device Access:	No

Timings

Timeout:	none
Delay:	60 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_EV_E_EXP	Consumption of charging infrastructure

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

L-Box

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	5
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	6 seconds
Delay:	6 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note the last two digits of the serial number of the connected meter represent the Modbus address of the device. It is not possible to connect two meters with identical Modbus addresses to the same RS485 bus.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SmartHub series

MK10A MK10E

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Microstar
P2000

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	16
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	2 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

P2000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Mitsubishi
ME110

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	9
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8O1, 8N1, 8E2, 8O2, 8N2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1.5 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ME110 series

ME110NSR-MB	ME110SR-MB	ME110SSR-MB

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Nader

NWK22

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	82
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	2

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

NWK22

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Nemie
WM20, WM30, WM40

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	79
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_OT_TOTAL	Operation hours
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

WM20	WM30	WM40

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Noja

RC

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	40
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Firmware version 1.26.y.0 or higher is needed for the RC10/15 and firmware version 2.0 or higher for the RC20.

ⓘ Modbus can't be run in parallel while 2179, CMS or HMI are active.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RC10	RC15	RC25

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

NovaTech Bitronics
PowerPlex II

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ The device has to be configured to use 'BiLF16' to be compatible to our system

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PowerPlex II

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Ormazabal

ekor.rpa series 200

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	77
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
M_AC_U_N	Zero phase voltage
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ekor.rpa series 200

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Phoenix Contact
EEM-MXX

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	255
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	58
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_EXP_T1	Reactive energy Tariff 1 (export)
M_AC_EQ_EXP_T2	Reactive energy Tariff 2 (export)
M_AC_EQ_EXP_T3	Reactive energy Tariff 3 (export)
M_AC_EQ_EXP_T4	Reactive energy Tariff 4 (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_EQ_IMP_T1	Reactive energy Tariff 1 (import)
M_AC_EQ_IMP_T2	Reactive energy Tariff 2 (import)
M_AC_EQ_IMP_T3	Reactive energy Tariff 3 (import)
M_AC_EQ_IMP_T4	Reactive energy Tariff 4 (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_EXP_T3	Active energy for Tariff 3 (export)
M_AC_E_EXP_T4	Active energy for Tariff 4 (export)
M_AC_E_IMP	Active energy (import)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_E_IMP_T3	Active energy for Tariff 3 (import)
M_AC_E_IMP_T4	Active energy for Tariff 4 (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EEM series

M-EIP	MA370	MA370-24DC
MA370-R	MA371	MA371-R
MA770	MA770-24DC	MA770-EIP
MA770-PN	MA770-R	MA771
MA771-EIP	MA771-PN	MA771-R
MB370	MB370-24DC	MB370-PN
MB371	MB371-24DC	MB371-EIP
MB371-PN		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PLUS ES

Modbus Duo

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EDMI

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Powermetric

Modbus Duo

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	93
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EDMI

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes
Communication interface:	RS485
Max. number of devices per bus:	20
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2, 7N1, 7N2, 7E1, 7E2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only devices from firmware 3.0.8 and higher get supported.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ If you use the meter in single phase mode it's necessary to configure this in meter software. Otherwise the meter will show also values for phase 2 and phase 3. Set in the menu "Install" - "Advanced" the option "Markierung bei Phasenausfall" to the value "Flag+0".

SUPPORTED DEVICES

UMD 96	UMD 97	UMD 97E
UMD 97EL	UMD 97EVU	UMD 98
UMD 98 Flex	UMD 701	UMD 704
UMD 705E/CBM	UMD 705X	UMD 707
UMD 709	UMD 710A	UMD 710EVU
UMD 807	UMD 913	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Regulus
uReg

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

uReg

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Renesys

Prisma310AMeter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Prisma310AMeter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SACI

AHM1

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8O1, 8E1, 8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

AHM1

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Satec

EM133-R

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7E1, 8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EM133-R

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	85
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	7E1, 8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EM235	PM335 PRO

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	61
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7E1, 8N1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.005 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note that it is possible to change the data format by changing the configuration of the meter. Because 32-bit floating point format is not supported by this driver, register 246 needs to be 0 (default value) and shouldn't be changed.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PM130 PLUS series

PM130A	PM130E	PM130EH
PM130P		

PM135 series

PM135A	PM135E	PM135EH
PM135P		

PM175 series

PM175

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SBC

ALE3 / AWD3

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	14
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ALE3	AWD3

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N2, 8O1, 8E1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_E_EXP	Active energy (export)
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EM1250	EM1251

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

EM6400/PM1200

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
M_AC_U_N	Zero phase voltage

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EM6400	PM1200

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

iEM3155 / iEM3255 / iEM3355 / iEM3555

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only devices from firmware 1.0.800 and higher get supported.

ⓘ Please note that the connection of the IEM3255 via Modbus TCP is only possible in combination with additional hardware (e.g. Sungrow Logger).
By default the connection is only possible via RS485 (Modbus RTU).

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

iEM series

iEM3155	iEM3255	iEM3355
iEM3555		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ION7500	ION7600	ION8300
ION8400	ION8500	ION8600
ION8650	ION8800	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ION7550	ION7650

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ION7300	ION7330	ION7350

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ION7400

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ION7400

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	98
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ION9000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	82
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8N2, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MiCOM P125, P126 & P127

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MICROLOGIC_5P_LSI_800_6300A

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	70
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_EQ_TOTAL	Reactive Energy total
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_P_DEMAND	Active Power Demand
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_Q_DEMAND	Reactive Power Demand
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_S_DEMAND	Apparent Power Demand
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MICROLOGIC_5P_LSI_800_6300A

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PM2XX/PM7XX

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_E_EXP	Active energy (export)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ This meter delivers cos φ and active and reactive power as values without a sign (+/-).

SUPPORTED DEVICES

PM2XX series

PM200	PM200P	PM210

PM7XX series

PM700	PM700P	PM710

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	78
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

M_AC_EQ_EXP_T1	Reactive energy Tariff 1 (export)
M_AC_EQ_EXP_T2	Reactive energy Tariff 2 (export)
M_AC_EQ_EXP_T3	Reactive energy Tariff 3 (export)
M_AC_EQ_EXP_T4	Reactive energy Tariff 4 (export)
M_AC_EQ_EXP_T5	Reactive energy Tariff 5 (export)
M_AC_EQ_EXP_T6	Reactive energy Tariff 6 (export)
M_AC_EQ_EXP_T7	Reactive energy Tariff 7 (export)
M_AC_EQ_EXP_T8	Reactive energy Tariff 8 (export)
M_AC_EQ_IMP_T1	Reactive energy Tariff 1 (import)
M_AC_EQ_IMP_T2	Reactive energy Tariff 2 (import)
M_AC_EQ_IMP_T3	Reactive energy Tariff 3 (import)
M_AC_EQ_IMP_T4	Reactive energy Tariff 4 (import)
M_AC_EQ_IMP_T5	Reactive energy Tariff 5 (import)
M_AC_EQ_IMP_T6	Reactive energy Tariff 6 (import)
M_AC_EQ_IMP_T7	Reactive energy Tariff 7 (import)
M_AC_EQ_IMP_T8	Reactive energy Tariff 8 (import)
M_AC_EQ_TOTAL	Reactive Energy total
M_AC_ES_EXP_T1	Apparent energy Tariff 1 (export)
M_AC_ES_EXP_T2	Apparent energy Tariff 2 (export)
M_AC_ES_EXP_T3	Apparent energy Tariff 3 (export)
M_AC_ES_EXP_T4	Apparent energy Tariff 4 (export)
M_AC_ES_EXP_T5	Apparent energy Tariff 5 (export)
M_AC_ES_EXP_T6	Apparent energy Tariff 6 (export)
M_AC_ES_EXP_T7	Apparent energy Tariff 7 (export)
M_AC_ES_EXP_T8	Apparent energy Tariff 8 (export)
M_AC_ES_IMP_T1	Apparent energy Tariff 1 (import)
M_AC_ES_IMP_T2	Apparent energy Tariff 2 (import)
M_AC_ES_IMP_T3	Apparent energy Tariff 3 (import)
M_AC_ES_IMP_T4	Apparent energy Tariff 4 (import)
M_AC_ES_IMP_T5	Apparent energy Tariff 5 (import)
M_AC_ES_IMP_T6	Apparent energy Tariff 6 (import)
M_AC_ES_IMP_T7	Apparent energy Tariff 7 (import)
M_AC_ES_IMP_T8	Apparent energy Tariff 8 (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_EXP_T3	Active energy for Tariff 3 (export)
M_AC_E_EXP_T4	Active energy for Tariff 4 (export)
M_AC_E_EXP_T5	Active energy for Tariff 5 (export)
M_AC_E_EXP_T6	Active energy for Tariff 6 (export)
M_AC_E_EXP_T7	Active energy for Tariff 7 (export)
M_AC_E_EXP_T8	Active energy for Tariff 8 (export)
M_AC_E_IMP	Active energy (import)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_E_IMP_T3	Active energy for Tariff 3 (import)
M_AC_E_IMP_T4	Active energy for Tariff 4 (import)
M_AC_E_IMP_T5	Active energy for Tariff 5 (import)
M_AC_E_IMP_T6	Active energy for Tariff 6 (import)
M_AC_E_IMP_T7	Active energy for Tariff 7 (import)
M_AC_E_IMP_T8	Active energy for Tariff 8 (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1

M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PM5000 series

PM5100	PM5110	PM5111
PM5310	PM5320	PM5330
PM5331	PM5340	PM5341
PM5350	PM5560	PM5561
PM5563		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only devices from firmware 1.0.800 and higher get supported.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PM3200 series

PM3250	PM3255

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	22
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PM800 series

PM810	PM820	PM850
PM870		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EM6400NG series series

EM6400NG

EMFM96L-1P series

EMFM96L-1P

PM21xx series series

PM1125H PM2120 PM2130

PM22xx series series

PM2220 PM2230

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Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PM8000 series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PM8000 series

PM8210	PM8213	PM8214
PM8240	PM8243	PM8244

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sepam 40 series

G40	M40	M41
S40	S41	S42
S43	S44	S48 - E11
S48 - E12	S48 - E13	S48 - E14
S48 - E15	S48 - E22	S48 - E23
S48 - E32	S48 - E33	S50
S51	S52	S53
S54	T40	T42
T50	T52	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

VIP 400

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8O1, 8O2, 8E1, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

VIP 400

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Secure

Elite_500

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Elite_500

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SEL
SEL-651R-2

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	6E1, 6N1, 6O1, 6E2, 6N2, 6O2, 7E1, 7N1, 7O1, 7E2, 7N2, 7O2, 8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SEL-651R-2

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SEL-735

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	95
Protocol:	ModbusRTU
Bus speed:	300 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	6E1, 6N1, 6O1, 6E2, 6N2, 6O2, 7E1, 7N1, 7O1, 7E2, 7N2, 7O2, 8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ It is necessary to configure the scaling settings in the device for correct communication and measurement. The scaling settings have to be configured with the software "ACSELERATOR QuickSet SEL-5030" in the menu "Identifier and Scaling Settings". The scaling settings have to be set to VOLT_SCA = UNITY, POWR_SCA = UNITY, ENRG_SCA = KILO.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SEL-735

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SEL-751

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	96
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2, 7N1, 7E1, 7O1, 7N2, 7E2, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SEL-751

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Siemens

7SR10 Argus

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

7SR10 Argus

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PAC

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	126
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N2, 8E1, 8O1, 8N1
Frame settings default:	8N2
Default address:	126

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Configuration of device for active energy counting range needs to be set to "IMPORT" or "EXPORT". Range "BALANCE" does not get supported.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PAC series

PAC2200	PAC2200CLP	PAC3100
PAC3120	PAC3200	PAC3220
PAC4200		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	61
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
M_AC_U_N	Zero phase voltage
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SICAM P850	SICAM P855

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	61
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
M_AC_U_N	Zero phase voltage
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SICAM Q100	SICAM Q200

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ Only the 7SJ803 and 7SJ804 models can be used for power control. The other models cannot be used for power control.
ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
M_AC_U_N	Zero phase voltage
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

7SJ801	7SJ803	7SJ804

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Socomec

COUNTIS E43/E44

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

COUNTIS E43/E44

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DIRIS A30

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DIRIS A30

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DIRIS A40

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	88
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	7E1, 7E2, 7N1, 7N2, 7O1, 7O2, 8E1, 8E2, 8N1, 8N2, 8O1, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only devices from firmware 1.7 and higher get supported

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DIRIS A40

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DIRIS B10

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 19200 bps, 57600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_EXP_T1	Negative - Reactive Energy capacitive exported (Tariff 1)
M_AC_EQ_CAP_EXP_T2	Negative - Reactive Energy capacitive exported (Tariff 2)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IMP_T1	Reactive energy Tariff 1 (import)
M_AC_EQ_IMP_T2	Reactive energy Tariff 2 (import)
M_AC_EQ_IMP_T3	Reactive energy Tariff 3 (import)
M_AC_EQ_IMP_T4	Reactive energy Tariff 4 (import)
M_AC_EQ_IMP_T5	Reactive energy Tariff 5 (import)
M_AC_EQ_IMP_T6	Reactive energy Tariff 6 (import)
M_AC_EQ_IMP_T7	Reactive energy Tariff 7 (import)
M_AC_EQ_IMP_T8	Reactive energy Tariff 8 (import)
M_AC_EQ_IND_EXP_T1	Positive - Reactive Energy inductive exported (Tariff 1)
M_AC_EQ_IND_EXP_T2	Positive - Reactive Energy inductive exported (Tariff 2)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_EXP_T1	Apparent energy Tariff 1 (export)
M_AC_ES_EXP_T2	Apparent energy Tariff 2 (export)
M_AC_ES_EXP_T3	Apparent energy Tariff 3 (export)
M_AC_ES_EXP_T4	Apparent energy Tariff 4 (export)
M_AC_ES_EXP_T5	Apparent energy Tariff 5 (export)
M_AC_ES_EXP_T6	Apparent energy Tariff 6 (export)
M_AC_ES_EXP_T7	Apparent energy Tariff 7 (export)
M_AC_ES_EXP_T8	Apparent energy Tariff 8 (export)
M_AC_E_EXP	Active energy (export)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_EXP_T3	Active energy for Tariff 3 (export)
M_AC_E_EXP_T4	Active energy for Tariff 4 (export)
M_AC_E_EXP_T5	Active energy for Tariff 5 (export)
M_AC_E_EXP_T6	Active energy for Tariff 6 (export)
M_AC_E_EXP_T7	Active energy for Tariff 7 (export)
M_AC_E_EXP_T8	Active energy for Tariff 8 (export)
M_AC_E_IMP	Active energy (import)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_E_IMP_T3	Active energy for Tariff 3 (import)
M_AC_E_IMP_T4	Active energy for Tariff 4 (import)
M_AC_E_IMP_T5	Active energy for Tariff 5 (import)
M_AC_E_IMP_T6	Active energy for Tariff 6 (import)
M_AC_E_IMP_T7	Active energy for Tariff 7 (import)
M_AC_E_IMP_T8	Active energy for Tariff 8 (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3

M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DIRIS B10

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DIRIS DIGIWARE I35

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	82
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.025 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
M_AC_U_N	Zero phase voltage

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DIRIS DIGIWARE I35

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	98
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2, 8E2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.025 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DIRIS I30

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Stucke
SYMAP Compact

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	71
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SYMAP-Compact+F1	SYMAP-Compact+F2	SYMAP-Compact+F3
SYMAP-Compact+F4	SYMAP-Compact+GC	

ⓘ One meter with PT1 and CT1 will be supported.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	98
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 201	Model 202	Model 203
Model 204	Model 211	Model 213

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Compatible meter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Takemoto Denki

XM2-110

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1, 8O1, 8E2, 8N2, 8O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ The driver supports the address range 1 to 247. The address 0 does not get supported.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

XM2-110

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Thytronic

PRON NA10

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PRON NA10

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PRON NA30

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	66
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_U_N	Zero phase voltage
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PRON NA30

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PRON NV10P-MB0

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F1	Grid frequency phase 1
M_AC_F2	Grid frequency phase 2
M_AC_F3	Grid frequency phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PRON NV10P-MB0

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PRON NV10P-MB2

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F1	Grid frequency phase 1
M_AC_F2	Grid frequency phase 2
M_AC_F3	Grid frequency phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PRON NV10P-MB2

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

XMR-A-0200

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	90
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

XMR-A-0200

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

xmr-p-0180

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	60
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

xmr-p-0180

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

XMR-P-0300

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	41
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

XMR-P-0300

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Veris Industries
E51C2

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	98
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 201	Model 202	Model 203
Model 204	Model 211	Model 213

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

E51C2

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

victron energy

Color Control GX Meter

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only Victron Color Control GX with firmware version > 2.80 get supported.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Color Control GX Meter

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Vigdu
P10

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 9600 bps, 14400 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8O1, 8N1
Frame settings default:	8N1
Default address:	3

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

P10

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

WEG
MMW03-M22CH

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_EXP_T1	Active energy for Tariff 1 (export)
M_AC_E_EXP_T2	Active energy for Tariff 2 (export)
M_AC_E_IMP	Active energy (import)
M_AC_E_IMP_T1	Active energy for Tariff 1 (import)
M_AC_E_IMP_T2	Active energy for Tariff 2 (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_I_N	Current, neutral conductor
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_P_DEMAND	Active Power Demand
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_Q_DEMAND	Reactive Power Demand
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_S_DEMAND	Apparent Power Demand
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MMW03-M22CH

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Weidmüller

Energy Analyzer D550

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

UMG series

UMG 604

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.01 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only devices with firmware 1.02 get supported.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.
ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MFR 300 series

MFR 300-11M	MFR 300-15M	MFR 300-71M
MFR 300-75M		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	45
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 8O1, 8O2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.01 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note, since release 3.6 Woodward offers the tool "SCADApter" with which project specific data point lists can get created. The driver does not support any project/device specific data point lists.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	No

ⓘ The use of protection devices for the purpose of measurement with regard to active and reactive power control is generally not recommended as protection transformers do not provide sufficient accuracy for many applications compared to instrument transformers.

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

ⓘ The alarms "I[1] - 50, 51" to "I[6] - 50, 51" can get configured via Woodward configuration tool. The interpretation of the alarms sent by the blue'Log depends on the initial configuration of the device.

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MCA4	MCDGV4	MCDTV4
MRA4	MRDT4	MRI4
MRM4	MRMV4	MRU4

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Yokogawa
PR300

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	99
Protocol:	ModbusRTU
Bus speed:	2400 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1, 8N2, 8O2, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PR300

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Zhuhai

ST260E

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 14400 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Communication via Modbus TCP only possible in combination with additional equipment. For communication via Modbus TCP please get in touch with "Zhuhai"

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ST260E

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	41
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	57600 bps
Frame settings:	8N1, 8E1, 8O1, 8N2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ The word order must be set to normal mode.
ⓘ The scaling for the energy must be set to kWh.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_OT_TOTAL	Operation hours
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

LC 60	LM 1350	LM 1360

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Ziehl

EFR4001IP

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	Yes

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only devices from firmware 12720-1410-01 and higher get supported.

POWER CONTROL

For use of Power Control:	Yes
For use of control criterion phase-related:	Yes

ⓘ Compliance with Grid Code specific requirements using this measuring instrument cannot be guaranteed in general, but has to be checked on a project-specific basis.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EFR4001IP

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

UFR1002IP

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL

For use of Power Control:	No
For use of control criterion phase-related:	No

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

UFR1002IP

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

String monitoring

ABB

ABB PVI-STRINGCOMB (Aurora protocol)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	31
Protocol:	AURORA
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	0.5 seconds
Delay:	0.035 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ABB PVI-STRINGCOMB (Aurora protocol)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Ultra Solar Field Gathering

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	2

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
STATE (1,...x)	Status (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ULTRA series

3G90	3L11	V11

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

AROS (Riello)
String Box

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

String Box

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Astrid Energy Enterprises
Array Monitor

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	76
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Array Monitor

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Carlo Gavazzi
VMU

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

VMU-M	VMU-S	VMU-S30

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Chint
CPS CB10

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CPS CB10

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Circutor

STM

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

STM

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TR8

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Driver supports 'single slave' devices only, the modus 'Slave-Subslave' is not supported. For this reason, the maximum of these stringboxes on a single bus is limited to 32.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

TR8

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TR16

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

TR16

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Fonrich
FR-DCMG-HS4Q

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

FR-DCMG-HS4Q

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

FR-DCMG-MMPU/MMPP

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	247

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ TCP possible only in combination with the blueplanet TL3-series of KACO.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

FR-DCMG-MMPU/MMPP

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Fronius

Fronius SolarNet String Control

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS422
Max. number of devices per bus:	100
Protocol:	SOLAR_NET
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	57600 bps
Frame settings:	8N1, 8N2, 8E1, 8E2, 7N1, 7N2, 7E1, 7E2
Frame settings default:	8N1
Default address:	0

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ To communicate with the inverter via SolarNet protocol a Full duplex (4 Wires) cabling via RS422 is necessary. It is possible to use both the two RS485 interfaces of the blue'Log XM / XC base module and the MX-MODULE RS485/422. On the blue'Log base module the four inputs (starting from left) of each RS485 interface can get used for connections via RS422 SolarNet protocol.

For cablings via RS422 via RS485 base module interfaces (Inputs from left to right) Rx+ ; Rx- ; Tx+ ; Tx- ; GND

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Fronius SolarNet String Control

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Gantner
string.bloxx xxx E(M) 1000/1500V

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	44
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

string.bloxx 116 series

string.bloxx 116	string.bloxx 116 E	string.bloxx 116 E 1500V
string.bloxx 116 EM	string.bloxx 116 EM 1500V	

string.bloxx 124 series

string.bloxx 124 EM 1500V

string.bloxx 216 series

string.bloxx 216 EM 1500V

ⓘ Please note the string.bloxx 116 EM with 32 string inputs consists of two 16 string input versions. For a correct scan the two devices need to be scanned separately (1 x string.bloxx 116 EM with 32 string inputs = 2 devices each with its own bus address).

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

GRIMEL

SCH01A

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8E1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SCH01A

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SCH01B

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8E1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SCH01B

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Hisun

HS-PV5-MU 4-24

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

HS-PV5-MU 4-24

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Ingeteam

DC Current Measurement HW

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	2
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1
Frame settings default:	8N1
Default address:	2

Timings

Timeout:	2 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DC Current Measurement HW

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

KACO new energy
blueplanet Argus (SunSpec)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	11
Remote Device Access:	Yes

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	38400 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 401	Model 402	Model 403
Model 404		

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

blueplanet Argus series

blueplanet Argus 16 Mon	blueplanet Argus 20 Mon	blueplanet Argus 24 Mon
blueplanet Argus L-20	blueplanet Argus L-24	blueplanet Argus XL-20
blueplanet Argus XL-24		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Powador Argus 16/24S DCS

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	99
Protocol:	KACO
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.03 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Powador Argus series

Powador Argus 16S DCS	Powador Argus 24S DCS

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ST0HS series

ST0HS 0825	ST0HS 0845	ST0HS 0860
ST0HS 1225	ST0HS 1245	ST0HS 1260
ST0HS 1625	ST0HS 1645	ST0HS 1660
ST0HS 2025	ST0HS 2045	ST0HS 2060
ST0HS 2425	ST0HS 2445	ST0HS 2460

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ST0Nxxxx

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note connection of ST0Nxxxx via Modbus TCP only possible in combination with additional equipment. Please check with "Kernel sistemi". By default only possible connection via RS485 (Modbus RTU).

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ST0 series

ST0 2415

ST0N series

ST0N 0825	ST0N 1225	ST0N 1625
ST0N 2025	ST0N 2415	ST0N 3215

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ST1Nxxxx

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ST1N series

ST1N 0840	ST1N 1240	ST1N 1635
ST1N 2435		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ST1xxxx

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ST1 series

ST1 0630	ST1 0830	ST1 1030
ST1 1430	ST1 1630	ST1 2422

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Klein
KSM-VX.X

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

KSM-V0.7	KSM-V0.8

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Kstar

GSC series

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

GSC08-DH	GSC08-DMH	GSC08-MH
GSC08H	GSC12-DH	GSC12-DMH
GSC12-MH	GSC12H	GSC16-DH
GSC16-DMH	GSC16-MH	GSC16H

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	44
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

i´catcher series

i´catcher 8-1B	i´catcher 16-1B	i´catcher 24-1B

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

String Monitoring Unit (Kernel Sistemi ST2xxxx/ ST2Nxxxx)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ST2 series

ST2 0825	ST2 1225	ST2 1625

ST2N series

ST2N 0840	ST2N 1240	ST2N 1635
ST2N 2425		

String Monitoring Unit series

SMU 0825	SMU 1225	SMU 1625
SMU 2422		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Monichek
SCB

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	37
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Driver supports only the "Special Hall Registers for Large Currents (Current ≥ 40A)"

SUPPORTED DEVICES

SCB

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SCB(<40A)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	27
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Driver supports only the low current (< 40A) values.

SUPPORTED DEVICES

SCB(<40A)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Monsol
1000|1500V Shunt

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

1000|1500V Shunt

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

National Instruments

CRio9074

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ This device driver for the cRio 9074 is only valid with the National Instruments 9205, 9425, 9422, 9476 connected and cRio programmed in the suitable manner.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CRio9074

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Noark

SUP 4S-20S

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	17
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SUP 4S-20S

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8N2, 8O1, 8O2, 8E1, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ In order to measure voltage of the "voltage measuring module", it must be connected to the 8S module in the first channel. Connection of the "voltage measuring module" to the 4S module not possible.

Depending on the amount of modules connected the total amount of devices varies that can be connected to one blue'Log (e.g. 8 x 8S modules = 8 devices for the blue'Log).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Values for "Status" and "Temperature" will just be available for the first module if modules (4S, 8S) get connected to the first channel.

SUPPORTED DEVICES

SCK-C-MODBUS	SCK-M-I-4S-20A	SCK-M-I-8S-20A

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Power Electronics

HE/HEC/HES Disconnecting Unit

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

HE/HEC/HES Disconnecting Unit

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

HE/HEC/HES String Supervisor 8/32

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	5 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note max. 4 String Supervisor can get connected to each Power Electronics "Solar Inverter". To avoid that String Supervisors are created multiple times it is recommended to only scan the first "Solar Inverter" of each Power Electronics inverter as String Supervisors of other "Solar Inverter" will get detected automatically during the scan.

ⓘ The virtual address of each String Supervisor assigned during scanning on the blue'Log does not match the String Supervisor ID (SSx ID).

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

String Supervisor series

String Supervisor 8	String Supervisor 32

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Raycap
ProSMS

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	38400 bps
Frame settings:	8E1, 8O1, 8N2
Frame settings default:	8E1
Default address:	5

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ProSMS8-WM

ProSMS series

ProSMS 8	ProSMS 1500

ⓘ When connecting the ProSMS 8-WM via the ProSMS-G it is neccessary to select Parity "ODD" on blue'Log XM / XC for a succcessful scan.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PV5690 String Monitoring System

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PV5790 String Monitoring System

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PV5790 String Monitoring System

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Santerno
Smart String Box

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.005 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note:

-The "SSB CS-SP 16 600V" consits of 2 x "SSB CS-SP 8 600V" (1 x SSB CS-SP 16 600V = 2 devices)

-The "SSB CS-SP 24 600V" consist of 3 x "SSB CS-SP 8 600V" (1 x SSB CS-SP 24 600V = 3 devices)

For a correct scan the devices need to be scanned separately (1 x SSB CS-SP 16 600V = 2 devices each with its own bus address).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Smart String Box series

Santerno SSB CS-SP 8 600V	Santerno SSB CS-SP 16 600V	Santerno SSB CS-SP 24 600V

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sunway TG ES1008

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8N2, 8E1, 8O1
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.005 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
T	Temperature

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sunway TG ES1008

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SENECA

Z-4AI SCB (0 to 025A)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Z-4AI SCB (0 to 025A)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Z-8AI SCB (0 to 025A)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	38400 bps
Frame settings:	8N1, 8E1, 8O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Z-8AI SCB (0 to 025A)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SIEL

CSP12

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T	Temperature
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CSP12

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SMA
String-Monitor (SSM-U)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	120
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note only Client / Slave IDs from 120-169 are supported by SMA.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SMA String-Monitor series

SSM-U-1610	SSM-U-1615	SSM-U-2410
SSM-U-2415	SSM-U-3210	SSM-U-3215

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sunny Central (1760-4600) Zone Monitoring

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	32
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note only Client / Slave IDs 32 and 33 are supported by SMA.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sunny Central (1760-4600) Zone Monitoring

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sunny Central (CP, CP-US, CP-JP, HE-20) String Monitor

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	4
Remote Device Access:	No

Timings

Timeout:	5 seconds
Delay:	0.25 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note only Client / Slave IDs from 4-247 are supported by SMA.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sunny Central (CP, CP-US, CP-JP, HE-20) String Monitor

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sunny Central (CP, CP-US, CP-JP, HE-20) Zone Monitoring

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	4
Remote Device Access:	No

Timings

Timeout:	5 seconds
Delay:	0.25 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note only Client / Slave IDs from 4-247 are supported by SMA.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sunny Central (CP, CP-US, CP-JP, HE-20) Zone Monitoring

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Socomec
DIRIS DIGIWARE I30DC

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	89
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.025 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DIRIS DIGIWARE I30DC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DIRIS DIGIWARE U32DC

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.025 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

STATE (1,...x)	Status (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

DIRIS DIGIWARE U32DC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SUNSYS IFB/FJB

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

IFB/ FJB 8	IFB/ FJB 12	IFB/ FJB 16
IFB/ FJB 24	IFB/ FJB 32	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SolarMax
MaxConnect PLUS (MaxComm Protocol)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	MAX_COMM_ETHERNET
Port:	12345
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	MAX_COMM_SERIAL
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	3 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

MaxConnect PLUS series

MaxConnect 12 PLUS	MaxConnect 16 PLUS

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Spelsberg

PV Monitoring System

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8N1
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

I (1,...x)	Current DC (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PV Monitoring System

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunGrow
PV combiner box

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note connection of PVS-16/20/24 via Modbus TCP only possible if it is connected to a sungrow (central) inverter. By default only possible connection via RS485 (Modbus RTU).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 401	Model 402	Model 403
Model 404		

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PVS-8M / MH	PVS-8M-DB	PVS-12M / MH
PVS-12M-DB	PVS-16M / MH / M-HV	PVS-16M-DB
PVS-18M / MH	PVS-20M / MH / M-HV	PVS-24M / MH / M-HV

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunSpec Alliance
Compatible string monitoring

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

Model 401	Model 402	Model 403
Model 404		

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Compatible string monitoring

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TMEIC
SGV

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SGV

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Weidmüller
SMS Solar Master

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8N2, 8E2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SMS Solar Master

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Transclinic xi+

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps
Bus speed default:	19200 bps
Frame settings:	8E1, 8N1, 8N2
Frame settings default:	8E1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
I (1,...x)	Current DC (1,...x)
T	Temperature
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Transclinic 8i+	Transclinic 14i+	Transclinic 16i+
Transclinic 16i+ 1k5 H	Transclinic 16i+ 1k5 L	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Status DI external

ABB

CI521

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CI52X-MODTCP series

CI521	CI522

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

RIO600 - DIM8

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RIO600 - DIM8

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

CRD
CRD600A

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note that the CRD600A does not support Modbus TCP by default. Connection via Ethernet just possible by using an additional RS485/Ethernet converter. Please get in touch with meteocontrol Sales for clarification regarding Ethernet connection.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CRD600A

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

EXPERT
EX9053DM

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	46
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.5 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EX9053DM

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Huawei
SmartLogger 2000 DI Status

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SmartLogger 2000 DI Status

ⓘ Please note the driver does not work in combination with SmartLogger1000.

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Santerno
Sunway TG Remote I/O

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	38400 bps
Frame settings:	8N2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sunway TG Remote I/O

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SMA
ioLogik E1210-T

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ioLogik E1210-T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunGrow
Logger3000 Digital input state

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	247
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Logger1000	Logger3000	Logger4000
LoggerV3		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

WAGO

I/O Systems series 750 serial

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 7N2, 7E1, 8E1, 7O1, 7O2, 8N2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

I/O Systems 750 - serial

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

I/O Systems series 750, 750XTR, 753, 767

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ On a 8 channel digital input module the number of the digital input doesn't match to the number of the connection pin. Please consider this when configuring the device in the blue'Log. Please check the manufacturer manual.

Example:

First module next to the communication module: DI1 = Pin 1, DI2 = Pin 5, DI3 = Pin 2, DI4 = Pin 6, DI5 = Pin 3, DI6 = Pin 7, DI7 = Pin 4, DI8 = Pin 8

Second module next to the communication module: DI9 = Pin 1, DI10 = Pin 5, DI11 = Pin 2, DI12 = Pin 6, DI13 = Pin 3, DI14 = Pin 7, DI15 = Pin 4, DI16 = Pin 8)
ⓘ Please note for each I/O Module connected to the fieldbus coupler the blue'Log will setup a separate device during scan.
ⓘ Please take care, only Modbus/TCP models are supported

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

I/O-System 750 series
- I/O-System 750

Speedway 767 series
- Speedway 767

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Weidmüller
UR20-FBC-MOD-TCP-V2

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ The driver supports a maximum amount of 64 connected I/O modules (e.g. UR20-16DI-P / UR20-4AI-RTD-DIAG)

Depending on the amount of I/O modules connected the total amount of devices varies that can be connected to one blue'Log (e.g. 3 x UR20-16DI-P = 3 devices).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.
ⓘ Values for "Status" and "Error" are just available for the first I/O module connected to the UR20-FBC-MOD-TCP-V2.

SUPPORTED DEVICES

UR20-4AI-RTD-DIAG	UR20-16DI-P

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Tracker

AlionEnergy

Storm Tracker

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_D, rev_E, rev_G, rev_I

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Storm Tracker

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Storm Tracker (Revision L/M/O)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_L, rev_M, rev_O

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Storm Tracker (Revision L/M/O)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Alpha

Tracker 1V

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_L, rev_M, rev_O

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Tracker 1V

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Antai

Tracker System

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_AH_REL1	Humidity, relative
E_AP_ABS1	Air pressure, absolute
E_PRECIPITATION	Precipitation type
E_W_D	Wind direction
E_W_S	Wind speed
SRAD1	Irradiance 1
SRAD2	Irradiance 2
SRAD3	Irradiance 3
SRAD4	Irradiance 4
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
WATER_DEPTH	Water depth

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Tracker System

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	200
Remote Device Access:	No
Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	200
Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.
ⓘ Communication via Modbus TCP only possible in combination with additional equipment. For communication via Modbus TCP please get in touch with "Arctech Solar".

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

AZIMUTH	Azimuth
AZIMUTH_TARGET	Azimuth, target value
ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_W_S1	Wind speed 1
E_W_S2	Wind speed 2
SRAD1	Irradiance 1
SRAD2	Irradiance 2
SRAD3	Irradiance 3
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sky Smart System	Sky Smart System II

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SkyLine 2

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	200
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	200

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_W_D1	Wind direction 1
E_W_S1	Wind speed 1
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SkyLine 2

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Array Technologies
Dura Track Hz

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Dura Track Hz

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Axial

AXIAL

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings: rev_M

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

AXIAL

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Braux
SL series

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_D, rev_E, rev_G, rev_I

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SL series

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SL series (Revision L/M/O)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_L, rev_M, rev_O

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SL series (Revision L/M/O)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Comal SPA

Tracker concentrator

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	7171
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Only trackers with firmware 1.15.19 and higher get supported.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ERROR (1,...x)	Error (1,...x)
E_RF_ABS1	Precipitation quantity, absolute
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
I_MOTOR	Motor current
STATE (1,...x)	Status (1,...x)
TB_I	Tracker battery current
TB_U	Tracker battery voltage
TW_W_S	Windgeschwindigkeit
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Tracker concentrator

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Convert Valmont

TRJ-AI

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Scan can take several minutes to finish without visible progress in between.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

TRJ-AI

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Exosun

Exotrack HZ

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.
ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_AP_ABS1	Air pressure, absolute
E_W_S1	Wind speed 1
E_W_S2	Wind speed 2
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Exotrack HZ

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

FTC Solar
Voyager

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ERROR (1,...x)	Error (1,...x)
E_RF_ABS1	Precipitation quantity, absolute
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
TB_SOC	Tracker battery SOC
TB_U	Tracker battery voltage
T (1,...x)	Temperature (1,...x)
U_PANEL	Panel Voltage

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Voyager

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

GameChange Solar

Genius Tracker

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
E_W_S1	Wind speed 1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Genius Tracker

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

HBAsun

Tracker

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

AZIMUTH	Azimuth
AZIMUTH_TARGET	Azimuth, target value
ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_W_D	Wind direction
E_W_S	Wind speed
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Tracker

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

I-Pergola

GroundPvTech

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	503
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
I_MOTOR	Motor current
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

GroundPvTech

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Ideematec
safe Track Trackersystem

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	255
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ One Ideematec Tracker controller consists of up to 120 Tracker and 1 Sensor box (121 devices).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_W_D1	Wind direction 1
E_W_D2	Wind direction 2
E_W_S1	Wind speed 1
E_W_S2	Wind speed 2
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

safe Track Trackersystem

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

safe Track Trackersystem FW >= 2.06.07

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	255
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ One Ideematec Tracker controller consists of up to 120 Tracker and 1 Sensor box (121 devices).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_W_D1	Wind direction 1
E_W_D2	Wind direction 2
E_W_S1	Wind speed 1
E_W_S2	Wind speed 2
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

safe Track Trackersystem FW >= 2.06.07

ⓘ

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

IME

2VXX

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings: rev_M

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

2VXX

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Kernel sistemi

Photovoltaic Trackers

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Only Default Base Address (1088) is supported

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Photovoltaic Trackers

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

NCLAVE

Solar tracker SP1000

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ERROR (1,...x)	Error (1,...x)
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Solar tracker SP1000

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SP160

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_D, rev_E, rev_G, rev_I

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SP160

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SP160 (Revision L/M/O)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_L, rev_M, rev_O

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SP160 (Revision L/M/O)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

NEXTracker

NX Horizon

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ It is possible to connect a combination of up to 100 SPCs (Self-Powered Controller) and Weather Stations to a single NCU (Network Control Unit).
Depending on the amount of SPCs and Weather Stations connected to the NCU the total amount of devices varies that can be connected to one blue’Log (e.g. 99 SPCs + 1 Weather Station = 100 devices).

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

NX Horizon

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

NX Horizon 2 Tracker

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ During the scan up to 100 tracker, up to 2 sensor and 1 status devices will be created.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)
WATER_DEPTH	Water depth

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

NX Horizon 2 Tracker

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Powerway
Tracker Control Box

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

AZIMUTH	Azimuth
ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Tracker Control Box

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

PVHardware

Axone Duo

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.05 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_W_D	Wind direction
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Axone Duo

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Axone Duo new Firmware

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_W_D	Wind direction
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Axone Duo new Firmware

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Monoline

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Monoline

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

V1.7

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

V1.7

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SCHLETTER

Tracking System

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_D, rev_E, rev_G, rev_I

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Tracking System

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Tracking System (Revision L/M/O)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_L, rev_M, rev_O

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Tracking System (Revision L/M/O)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Solar FlexRack
Turnkey Solar Tracker

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_D, rev_E, rev_G, rev_I

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Turnkey Solar Tracker

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Turnkey Solar Tracker (Revision L/M/O)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_L, rev_M, rev_O

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Turnkey Solar Tracker (Revision L/M/O)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Solar Steel
TSC

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_IH_REL	Internal relative humidity
E_W_D1	Wind direction 1
E_W_S1	Wind speed 1
SRAD1	Irradiance 1
SRAD2	Irradiance 2
SRAD3	Irradiance 3
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

TSC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Soltec
SF Tracker

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ For a successful scan the angle of the trackers must not be zero degrees. If the angle will be zero degrees the scan will fail.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SF Tracker

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Soltigua
iTracker

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note that max. 250 trackers can get connected to a single blue'Log with activated tracker mode even if it is possible to connect up to 1000 devices to one Soltigua iTracker Control Panel.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ERROR (1,...x)	Error (1,...x)
E_W_S	Wind speed
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

iTracker

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

iTracker Duetto

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
E_SNOW_DEPTH	Snow depth
E_W_D1	Wind direction 1
E_W_D2	Wind direction 2
E_W_D3	Wind direction 3
E_W_S1	Wind speed 1
SRAD1	Irradiance 1
SRAD2	Irradiance 2
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

iTracker Duetto	iTracker WL	iTracker XL

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Stansol

NCU (Revision L/M/O)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_L, rev_M, rev_O

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

NCU (Revision L/M/O)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

STI Norland
Tracking System

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_D, rev_E, rev_G, rev_I

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Tracking System

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Tracking System (Revision L/M/O)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_L, rev_M, rev_O

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Tracking System (Revision L/M/O)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sunracker

Tracker

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
E_W_S1	Wind speed 1
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Tracker

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunTrack
Network Control Unit

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_D, rev_E, rev_G, rev_I

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
SRAD	Irradiance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Network Control Unit

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Network Control Unit (Revision L/M/O)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ Please note the driver only supports the following Modbus mappings : rev_L, rev_M, rev_O

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
I_MOTOR	Motor current
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Network Control Unit (Revision L/M/O)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

TerraTrak

Trak

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ⓘ The TerraTrak system can consist of several Unit-IDs by looking at the Modbus mapping. For each Unit-ID the maximum amount of 100 trackers and 2 weather stations can get connected. Please make sure not to exceed the limit of 250 trackers which can max. get connected to a single blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
E_W_S_(1,...x)_MAX	Maximum wind speed (1,...x)
STATE (1,...x)	Status (1,...x)
T	Temperature
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Trak

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Trinasolar

NCU Tracker

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
ERROR (1,...x)	Error (1,...x)
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
SRAD1	Irradiance 1
SRAD2	Irradiance 2
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

NCU Tracker

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Zimmermann

Zimmermann Gateway

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

ⓘ By activating the "tracker mode" on blue'Log XM it is possible to extend the max. amount of devices which can get connected to a single blue'Log XM to 250. Once tracker mode got activated only device types: Tracker, Sensor and Status can be configured. Please check with the manufacturer of the tracker system how many tracker max. can get connected for each tracker solution.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

ELEVATION	Elevation
ELEVATION_TARGET	Elevation, target value
E_AH_REL1	Humidity, relative
E_AP_REL1	Air pressure, relative
E_PRECIPITATION	Precipitation type
E_RF_ABS1	Precipitation quantity, absolute
E_RF_DIF	Differential precipitation
E_RF_I1	Precipitation intensity
E_W_D1	Wind direction 1
E_W_S1	Wind speed 1
E_W_S_(1,...x)_MAX	Maximum wind speed (1,...x)
I_MOTOR	Motor current
SRAD1	Irradiance 1
STATE (1,...x)	Status (1,...x)
TB_SOC	Tracker battery SOC
TB_U	Tracker battery voltage
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Zimmermann Gateway

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Battery

ADS-TEC

PowerBooster GSS0813

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ During the scan 1 inverter device and at least 1 battery device will be created.
ⓘ It's recommended to connect only a single battery with active battery power control. Otherwise the SoC limits may not be correctly applied to all batteries.
ⓘ Before shutting down the bluelog or removing the power supply, the battery power control should be disabled if it was active. Or the inverters of the batteries need to be stopped with the fast start stop feature. Otherwise the devices will run into a "watchdog timeout" error after 10 minutes and need to be started by the fast start stop feature or the App

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_SOC	State of charge
B_SOH	State of health
B_T_CELL_MAX1_1	Maximal cell temperature rack 1 module 1
B_T_CELL_MIN1_1	Minimum cell temperature rack 1 module 1
B_U_CELL_AVG	Cell voltage mean value
B_U_CELL_MAX1_1	Maximal cell voltage rack 1 module 1
B_U_CELL_MIN1_1	Minimum cell voltage rack 1 module 1
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PowerBooster GSS0813

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

StoraXe Master

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_E_EXP	Energy export from storage system DC
B_E_IMP	Energy import to storage system DC
B_I_DC	Current charging current DC
B_P_DC	Battery power
B_SOH	State of health
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

StoraXe Master

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Antares
Pro 1-3k VA Battery

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_SOC	State of charge
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_U	Voltage AC
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Pro 1-3k VA Battery

ⓘ Note that the scan creates 1 battery device and 2 meter devices (1 for input, 1 for output).

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

BMSER

BankBMS

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	57600 bps
Bus speed default:	57600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ During the scan at least 2 battery devices are created at minimum and up to 33 denpending on how many racks are connected.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

BankBMS

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

cmblu

EMS

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.2 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_E_STORED	Currently stored energy DC
B_LIM_P_CHARGE	Maximum charging power
B_LIM_P_DISCHARGE	Maximum discharging power
B_SOC	State of charge
B_SOH	State of health
ERROR (1,...x)	Error (1,...x)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EMS

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Delta

RT-10K

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	2400 bps, 4800 bps, 9600 bps, 19200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8O1, 8E1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ To enable communication via Modbus RTU the "Switches" of the RT-10K need to be set to:

- set SW1 to > 0
- set SW3 to "MODBUS Protocol"
- set SW4 to "RS485"

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_P_DC	Battery power
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

RT-10K

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Essilx Energy

EXTEL

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_SOC	State of charge
B_SOH	State of health
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EXTEL

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

EvoPower

Neo Series Battery

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Before shutting down the bluelog or removing the power supply, the battery power control should be disabled if it was active. Or the inverters of the batteries need to be stopped with the fast start stop feature. Otherwise the devices will run into a "watchdog timeout" error after 10 minutes and need to be started by the fast start stop feature or the App.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_E_CHARGE_AC	Chargeable Energy
B_E_DISCHARGE_AC	Dischargeable Energy
B_LIM_P_CHARGE	Maximum charging power
B_LIM_P_DISCHARGE	Maximum discharging power
B_SOC	State of charge
B_SOH	State of health
COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U	Voltage AC
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
P_DC	Power DC
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Neo Series Battery

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Fenecon

Fems

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_E_EXP	Energy export from storage system DC
B_E_IMP	Energy import to storage system DC
B_I_DC	Current charging current DC
B_LIM_I_CHARGE	Maximum charging current
B_LIM_I_DISCHARGE	Maximum discharging current
B_LIM_U_CHARGE	Charge end voltage
B_LIM_U_DISCHARGE	Discharge end voltage
B_P_AC	Battery power AC
B_SOC	State of charge
B_SOH	State of health
B_T_CELL_MAX1_1	Maximal cell temperature rack 1 module 1
B_T_CELL_MIN1_1	Minimum cell temperature rack 1 module 1
B_U_CELL_MAX1_1	Maximal cell voltage rack 1 module 1
B_U_CELL_MIN1_1	Minimum cell voltage rack 1 module 1
B_U_DC	Battery voltage
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Commercial 92	Home 30	Industrial L
Industrial M	Industrial S	Industrial XL

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Gotion

BATTERY_L4

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_E_CHARGE_AC	Chargeable Energy
B_E_DISCHARGE_AC	Dischargeable Energy
B_I_DC	Current charging current DC
B_LIM_P_CHARGE	Maximum charging power
B_LIM_P_DISCHARGE	Maximum discharging power
B_SOC	State of charge
B_SOH	State of health
B_T_CELL_MAX1_1	Maximal cell temperature rack 1 module 1
B_T_CELL_MIN1_1	Minimum cell temperature rack 1 module 1
B_U_CELL_AVG	Cell voltage mean value
B_U_CELL_MAX1_1	Maximal cell voltage rack 1 module 1
B_U_CELL_MIN1_1	Minimum cell voltage rack 1 module 1
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

BATTERY_L4

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Huawei

LUNA2000

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_E_CHARGE_AC	Chargeable Energy
B_E_DISCHARGE_AC	Dischargeable Energy
B_I_AC	Battery AC current
B_I_DC	Current charging current DC
B_P_DC	Battery power
B_SOC	State of charge
B_SOH	State of health
B_T_M_MAX1	Maximum module temperature rack 1
B_T_M_MIN1	Minimum module temperature rack 1
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_DAY	Energy generated per day
E_TOTAL	Energy total
E_YEAR	Energy generated per year
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
Q_AC	Reactive power
R_ISO	Insulation resistance
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

LUNA2000-1.0MWH-1H1	LUNA2000-2.0MWH-1H0	LUNA2000-2.0MWH-1H1
LUNA2000-2.0MWH-2H0	LUNA2000-2.0MWH-2H1	LUNA2000-2.0MWH-4H1
LUNA2000-100KTL-M1	LUNA2000-100KTL-NHH1	LUNA2000-200KTL-H1
LUNA2000-200KWH-2H0	LUNA2000-200KWH-2H1	

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

INTILION
scalebloc battery

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_I_DC	Current charging current DC
B_LIM_P_CHARGE	Maximum charging power
B_LIM_P_DISCHARGE	Maximum discharging power
B_SOH	State of health
B_T_M1_1	Module temperature rack 1 module 1
B_T_M_MAX1	Maximum module temperature rack 1
B_T_M_MIN1	Minimum module temperature rack 1
B_U_CELL_AVG	Cell voltage mean value
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

scalebloc battery

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Scalecube

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_LIM_P_CHARGE	Maximum charging power
B_LIM_P_DISCHARGE	Maximum discharging power
B_SOC	State of charge
B_SOH	State of health
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Scalecube

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.
ⓘ Reactive power compensation beyond feed-in operation (Q at Night, STATCOM mode/operation, Q on Demand 24/7, etc.) is not supported by all inverter types. An exact list is available from the inverter manufacturer.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_LIM_P_CHARGE	Maximum charging power
B_LIM_P_DISCHARGE	Maximum discharging power
B_SOC	State of charge
B_SOH	State of health
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Scalestac

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Jinko Solar

SunGigaBess

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_SOC	State of charge
B_SOH	State of health
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SunGigaBess

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

KEHUA

BCSXXXXK-B-HUD

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	4800 bps, 9600 bps, 19200 bps, 38400 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	0.1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_E_CHARGE_AC	Chargeable Energy
B_E_DISCHARGE_AC	Dischargeable Energy
B_I_DC	Current charging current DC
B_LIM_I_CHARGE	Maximum charging current
B_LIM_I_DISCHARGE	Maximum discharging current
B_LIM_U_CHARGE	Charge end voltage
B_LIM_U_DISCHARGE	Discharge end voltage
B_SOC	State of charge
B_SOH	State of health
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

BCS100K-A	BCS250K-A	BCS500K-A
BCS1250K-B-HUD	BCS1500K-B-HUD	BCS1725K-B-HUD
BCS2500K-B-HUD/T	BCS3000K-B-HUD/T	BCS3450K-B-HUD/T

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Morningstar

ProStar30 Battery

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps
Bus speed default:	9600 bps
Frame settings:	8N2
Frame settings default:	8N2
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_LIM_U_CHARGE	Charge end voltage
B_T_U1	Temperature outside 1
B_T_U2	Temperature outside 2
B_U_AC	Battery AC voltage
B_U_DC	Battery voltage
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ProStar30 Battery

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

MTU

EnergyPack Q

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_P_AC	Battery power AC
B_P_DC	Battery power
B_Q_AC	Battery reactive power AC
B_SOC	State of charge
B_SOH	State of health
B_S_AC	Battery apparent power AC
B_T_M_MAX1	Maximum module temperature rack 1
B_T_M_MIN1	Minimum module temperature rack 1
B_U_CELL_MAX1_1	Maximal cell voltage rack 1 module 1
B_U_CELL_MIN1_1	Minimum cell voltage rack 1 module 1
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EnergyPack QL	EnergyPack QM	EnergyPack QS

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Pixii

PowerShaper

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	19200 bps, 115200 bps
Bus speed default:	115200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_I_DC	Current charging current DC
B_LIM_I_CHARGE	Maximum charging current
B_LIM_I_DISCHARGE	Maximum discharging current
B_LIM_P_CHARGE	Maximum charging power
B_LIM_P_DISCHARGE	Maximum discharging power
B_P_DC	Battery power
B_SOC	State of charge
B_SOH	State of health
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

PowerShaper

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SMA

STPS-60

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	25
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_E_CHARGE_AC	Chargeable Energy
B_E_DISCHARGE_AC	Dischargeable Energy
B_LIM_P_CHARGE	Maximum charging power
B_LIM_P_DISCHARGE	Maximum discharging power
B_SOC	State of charge
B_SOH	State of health
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

STPS-60

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Sunny Central DC-Coupled Battery-Storage System

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	110
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_LIM_I_CHARGE	Maximum charging current
B_LIM_I_DISCHARGE	Maximum discharging current
B_SOC	State of charge
B_SOH	State of health
P_AC	Power AC
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Sunny Central DC-Coupled Battery-Storage System

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SOFARSOLAR

Power Magic

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_E_CHARGE_AC	Chargeable Energy
B_E_DISCHARGE_AC	Dischargeable Energy
B_I_DC	Current charging current DC
B_LIM_P_CHARGE	Maximum charging power
B_LIM_P_DISCHARGE	Maximum discharging power
B_P_DC	Battery power
B_SOC	State of charge
B_SOH	State of health
B_T_CELL_MAX1_1	Maximal cell temperature rack 1 module 1
B_T_CELL_MAX2_1	Maximal cell temperature rack 2 module 1
B_T_CELL_MAX3_1	Maximal cell temperature rack 3 module 1
B_T_CELL_MAX4_1	Maximal cell temperature rack 4 module 1
B_T_CELL_MAX5_1	Maximal cell temperature rack 5 module 1
B_T_CELL_MAX6_1	Maximal cell temperature rack 6 module 1
B_T_CELL_MIN1_1	Minimum cell temperature rack 1 module 1
B_T_CELL_MIN2_1	Minimum cell temperature rack 2 module 1
B_T_CELL_MIN3_1	Minimum cell temperature rack 3 module 1
B_T_CELL_MIN4_1	Minimum cell temperature rack 4 module 1
B_T_CELL_MIN5_1	Minimum cell temperature rack 5 module 1
B_T_CELL_MIN6_1	Minimum cell temperature rack 6 module 1
B_U_CELL_MAX1_1	Maximal cell voltage rack 1 module 1
B_U_CELL_MAX2_1	Maximal cell voltage rack 2 module 1
B_U_CELL_MAX3_1	Maximal cell voltage rack 3 module 1
B_U_CELL_MAX4_1	Maximal cell voltage rack 4 module 1
B_U_CELL_MAX5_1	Maximal cell voltage rack 5 module 1
B_U_CELL_MAX6_1	Maximal cell voltage rack 6 module 1
B_U_CELL_MIN1_1	Minimum cell voltage rack 1 module 1
B_U_CELL_MIN2_1	Minimum cell voltage rack 2 module 1
B_U_CELL_MIN3_1	Minimum cell voltage rack 3 module 1
B_U_CELL_MIN4_1	Minimum cell voltage rack 4 module 1
B_U_CELL_MIN5_1	Minimum cell voltage rack 5 module 1
B_U_CELL_MIN6_1	Minimum cell voltage rack 6 module 1
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Power Magic

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunGrow

ST2752UX with LC200

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	Yes
Power factor control - Cos φ control:	Yes

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_E_CHARGE_AC	Chargeable Energy
B_E_DISCHARGE_AC	Dischargeable Energy
B_I_DC	Current charging current DC
B_SOC	State of charge
B_SOH	State of health
B_T_CELL_MAX1_1	Maximal cell temperature rack 1 module 1
B_T_CELL_MIN1_1	Minimum cell temperature rack 1 module 1
B_U_CELL_MAX1_1	Maximal cell voltage rack 1 module 1
B_U_CELL_MIN1_1	Minimum cell voltage rack 1 module 1
B_U_DC	Battery voltage
COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
FT_AC_TOTAL	Total feed-in hours
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
M_AC_EQ_EXP	Reactive energy (export)
M_AC_EQ_IMP	Reactive energy (import)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

BSC200	LC200	SC1000UD
SC2500UD	SC2500UD-US	SC3450UD
SC4500UD	SC5000UD	ST2752UX
ST2752UX-US		

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunSpec Alliance

Compatible battery

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

Model 713

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Compatible battery

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Teplore

TB2xx Battery

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_I_DC	Current charging current DC
B_SOC	State of charge
B_U_DC	Battery voltage
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_DC	Voltage DC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

TB2xx series

TB217	TB241	TB258

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Tesla
Energy Storage System

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CHARGE_LEVEL	Charging status
B_E_EXP_AC	Energy export from storage system AC
B_E_IMP_AC	Energy import to storage system AC
B_E_STORED	Currently stored energy DC
B_F_AC	Grid frequency
B_I_AC	Battery AC current
B_LIM_P_CHARGE	Maximum charging power
B_LIM_P_DISCHARGE	Maximum discharging power
B_P_AC	Battery power AC
B_Q_AC	Battery reactive power AC
B_STP_P	Active power setpoint
B_S_AC	Battery apparent power AC
B_U_AC	Battery AC voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Energy Storage System

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Powerwall

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	https
Port:	443
Default address:	0
Remote Device Access:	No

Timings

Timeout:	none
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Please note during the scan the blue'Log creates up to 4 meter devices and may create additional battery devices.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

B_E_EXP_AC	Energy export from storage system AC
B_E_IMP_AC	Energy import to storage system AC
B_E_STORED	Currently stored energy DC
B_F_AC	Grid frequency
B_I_AC	Battery AC current
B_P_AC	Battery power AC
B_Q_AC	Battery reactive power AC
B_U_AC	Battery AC voltage
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_Q	Reactive power
M_AC_S	Apparent power
M_AC_U	Voltage AC

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Powerwall

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

VARTA

ElementBackup

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	255
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	1 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_P_AC	Battery power AC
B_SOC	State of charge
B_S_AC	Battery apparent power AC
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ElementBackup

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

victron energy

Color Control GX Battery

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Only Victron Color Control GX with firmware version > 2.80 get supported.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_CAPACITY	Nominal capacity
B_E_EXP	Energy export from storage system DC
B_E_IMP	Energy import to storage system DC
B_I_DC	Current charging current DC
B_LIM_I_CHARGE	Maximum charging current
B_LIM_I_DISCHARGE	Maximum discharging current
B_LIM_U_CHARGE	Charge end voltage
B_LIM_U_DISCHARGE	Discharge end voltage
B_P_DC	Battery power
B_SOC	State of charge
B_SOH	State of health
B_T_CELL_MAX1_1	Maximal cell temperature rack 1 module 1
B_T_CELL_MIN1_1	Minimum cell temperature rack 1 module 1
B_T_U1	Temperature outside 1
B_U_CELL_MAX1_1	Maximal cell voltage rack 1 module 1
B_U_CELL_MIN1_1	Minimum cell voltage rack 1 module 1
B_U_DC	Battery voltage
D_IN	Digital input
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Color Control GX Battery

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Color Control GX Vebus

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_F_AC	Grid frequency
B_I_DC	Current charging current DC
B_SOC	State of charge
B_T_M1_1	Module temperature rack 1 module 1
B_U_DC	Battery voltage
ERROR (1,...x)	Error (1,...x)
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Color Control GX Vebus

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Volstora

Battery

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue’Log base module. Please refer to the blue’Log data sheet.

POWER CONTROL BATTERY

Active power constraint:	Yes
Reactive power control - Q control:	No
Power factor control - Cos φ control:	No

ⓘ Active/reactive power control is not supported by all inverter types. An exact list is available from the inverter manufacturer.
ⓘ Please check if the inverter type requires a specific configuration in order to accept Power Control commands of the blue'Log.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

B_E_EXP	Energy export from storage system DC
B_E_IMP	Energy import to storage system DC
B_I_DC	Current charging current DC
B_LIM_I_CHARGE	Maximum charging current
B_LIM_I_DISCHARGE	Maximum discharging current
B_LIM_U_CHARGE	Charge end voltage
B_LIM_U_DISCHARGE	Discharge end voltage
B_P_AC	Battery power AC
B_SOC	State of charge
B_SOH	State of health
B_T_CELL_MAX1_1	Maximal cell temperature rack 1 module 1
B_T_CELL_MIN1_1	Minimum cell temperature rack 1 module 1
B_U_CELL_MAX1_1	Maximal cell voltage rack 1 module 1
B_U_CELL_MIN1_1	Minimum cell voltage rack 1 module 1
B_U_DC	Battery voltage
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Battery

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Zucchetti Centro Sistemi

Power Magic

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Power Magic

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Genset

CAT

EMCP

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 14400 bps, 19200 bps, 38400 bps, 57600 bps
Bus speed default:	19200 bps
Frame settings:	7E2, 7O2, 8N2, 8E1, 8O1
Frame settings default:	8N2
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
FUEL_REMAINING	Fuel remaining
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
OT_TOTAL	Operation hours
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

EMCP

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Deep Sea Electronics

MkII

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	10
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	64
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 14400 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	19200 bps
Frame settings:	8N1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
D_IN (1,...x)	Digital input (1,...x)
ERROR (1,...x)	Error (1,...x)
FUEL_CONSUMPTION	Fuel consumption
FUEL_EFFICIENCY	Fuel efficiency
FUEL_REMAINING	Fuel remaining
F_AC	Grid frequency
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

7310MkII	7320MkII	7400MkII
8610MkII	8620MkII	8660MkII

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DEIF
ASC4 Genset (with AGC)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Depending on the amount of gensets connected to the DEIF Controller the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x DEIF ASC = up to 16 devices).

ⓘ The gensets must be equipped with DEIF AGC controllers connected to the ASC on the DEIF internal Power Management communication line.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
FUEL_CONSUMPTION	Fuel consumption
FUEL_EFFICIENCY	Fuel efficiency
FUEL_REMAINING	Fuel remaining
OT_TOTAL	Operation hours
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
Q_AC	Reactive power
Q_AC_SET_ABS	Absolute reactive power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ASC4 Genset (with AGC)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ASC4 Genset (without AGC)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ Depending on the amount of gensets connected to the DEIF Controller the total amount of devices varies that can be connected to one blue'Log (e.g. 1 x DEIF ASC = up to 16 devices).

ⓘ If the ASC receives data not from the DEIF AGC controllers but from meters connected to the ASC then it's necessary to use this driver.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
Q_AC	Reactive power
Q_AC_SET_ABS	Absolute reactive power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ASC4 Genset (without AGC)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ASC150 Genset (with AGC)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
FUEL_CONSUMPTION	Fuel consumption
FUEL_EFFICIENCY	Fuel efficiency
FUEL_REMAINING	Fuel remaining
OT_TOTAL	Operation hours
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
Q_AC	Reactive power
Q_AC_SET_ABS	Absolute reactive power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ASC150 Genset (with AGC)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ASC150 Genset (without AGC)

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

D_IN (1,...x)	Digital input (1,...x)
P_AC	Power AC
P_AC_SET_ABS	Absolute active power setpoint
P_AC_SET_REL	Relative active power setpoint
Q_AC	Reactive power
Q_AC_SET_ABS	Absolute reactive power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ASC150 Genset (without AGC)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

victron energy

Color Control GX Genset

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only Victron Color Control GX with firmware version > 2.80 get supported.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

ERROR (1,...x)	Error (1,...x)
FUEL_REMAINING	Fuel remaining
F_AC1	Grid frequency phase 1
F_AC2	Grid frequency phase 2
F_AC3	Grid frequency phase 3
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Color Control GX Genset

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Power plant controller

ComAp

InteliSys NTC Hybrid

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	91
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

PPC_PF	Actual power factor
PPC_P_AC	Actual active power
PPC_P_AC_AVAIL	Actual theoretical available active power
PPC_Q_AC	Actual reactive power
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

InteliSys NTC Hybrid

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

DEIF

ASC4 PPC

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

PPC_PF	Actual power factor
PPC_PF_SET	Power factor setpoint
PPC_P_AC	Actual active power
PPC_P_SET_REL	Active power setpoint
PPC_Q_AC	Actual reactive power
PPC_Q_SET_REL	Reactive power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ASC4 PPC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ASC150 PPC

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	0.02 seconds

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

PPC_BAT_SOC	State of charge
PPC_PF	Actual power factor
PPC_PF_SET	Power factor setpoint
PPC_P_AC	Actual active power
PPC_P_SET_REL	Active power setpoint
PPC_Q_AC	Actual reactive power
PPC_Q_SET_REL	Reactive power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ASC150 PPC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

ENcombi

ECpv2 (Power Plant Controller)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	9600 bps, 19200 bps, 38400 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8N1, 8E1, 8O1, 7N1, 7E1, 7O1
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

PPC_P_SET_REL	Active power setpoint
PPC_Q_SET_REL	Reactive power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

ENcombi ECpvX-M

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

GPM

Power Plant Controller

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

PPC_PF	Actual power factor
PPC_P_AC	Actual active power
PPC_P_SET_ABS	Actual valid active power setpoint
PPC_P_SET_REL	Active power setpoint
PPC_Q_AC	Actual reactive power
PPC_Q_SET_ABS	Actual valid reactive power setpoint
PPC_Q_SET_REL	Reactive power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Power Plant Controller

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Higeco More
CCI (Central Plant Controller)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Please note during the scan the blue'Log creates 1 additional meter device for each power plant controller.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_Q	Reactive power
M_AC_U	Voltage AC
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1
PPC_P_AC	Actual active power
PPC_P_SET_REL	Active power setpoint
PPC_Q_AC	Actual reactive power
PPC_Q_SET_REL	Reactive power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

CCI (Central Plant Controller)

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Huawei

SmartLogger 2000/3000 PPC

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	0
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ⓘ As the Huawei Smartlogger device only outputs values for 'Power factor setpoint' if it is set by a third-party device, we will show '--' for the Power factor setpoint if the Huawei Smartlogger itself takes care of the power control.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

PPC_PF	Actual power factor
PPC_PF_SET	Power factor setpoint
PPC_P_AC	Actual active power
PPC_P_SET_ABS	Actual valid active power setpoint
PPC_P_SET_REL	Active power setpoint
PPC_Q_AC	Actual reactive power
PPC_Q_SET_ABS	Actual valid reactive power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SmartLogger 2000/3000 PPC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

meteocontrol
blue'Log XC

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

PPC_INV_AVAIL	Number of active inverters
PPC_INV_INST	Number of installed inverters
PPC_PF	Actual power factor
PPC_PF_SET	Power factor setpoint
PPC_PF_SET_CTRL	Power factor correction value
PPC_P_AC	Actual active power
PPC_P_AC_INV	Inverter active power
PPC_P_SET_CTRL_REL	Active power correction value
PPC_P_SET_FSM_REL	Relative active power setpoint (FSM)
PPC_P_SET_GRIDOP_ABS	Absolute active power setpoint (grid operator)
PPC_P_SET_GRIDOP_REL	Active power setpoint (grid operator)
PPC_P_SET_LFSMO_REL	Active power setpoint (LFSM-O)
PPC_P_SET_LFSMU_REL	Active power setpoint (LFSM-U)
PPC_P_SET_REL	Active power setpoint
PPC_P_SET_RPC_REL	Active power setpoint (3rd party)
PPC_Q_AC	Actual reactive power
PPC_Q_AC_INV	Inverter reactive power
PPC_Q_SET_ABS	Actual valid reactive power setpoint
PPC_Q_SET_CTRL_REL	Reactive power correction value
PPC_Q_SET_GRIDOP_REL	Reactive power setpoint (grid operator)
PPC_Q_SET_REL	Reactive power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

blue'Log XC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Renesys

Prisma210A

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

PPC_PF	Actual power factor
PPC_P_SET_ABS	Actual valid active power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Prisma210A

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Prisma310A

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

PPC_PF	Actual power factor
PPC_P_AC	Actual active power
PPC_P_SET_ABS	Actual valid active power setpoint
PPC_Q_AC	Actual reactive power

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Prisma310A

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Prisma310ALite

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

PPC_PF	Actual power factor
PPC_P_AC	Actual active power
PPC_P_SET_ABS	Actual valid active power setpoint
PPC_Q_AC	Actual reactive power

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Prisma310ALite

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Schneider Electric
Modicon M251

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

PPC_PF	Actual power factor
PPC_P_AC	Actual active power
PPC_P_SET_GRIDOP_ABS	Absolute active power setpoint (grid operator)
PPC_P_SET_REL	Active power setpoint
PPC_Q_AC	Actual reactive power
PPC_Q_SET_ABS	Actual valid reactive power setpoint
PPC_Q_SET_REL	Reactive power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Modicon M251

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Stucke

SYMAP Compact PPC

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings	
Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

PPC_PF_SET	Power factor setpoint
PPC_P_SET_REL	Active power setpoint
PPC_Q_SET_REL	Reactive power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

SYMAP Compact PPC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

SunGrow
Logger 3000/4000 PPC

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	247
Remote Device Access:	No

Communication interface:	RS485
Max. number of devices per bus:	100
Protocol:	ModbusRTU
Bus speed:	300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps, 57600 bps, 115200 bps
Bus speed default:	9600 bps
Frame settings:	8E1, 8E2, 8N1, 8N2, 8O1, 8O2, 7E1, 7E2, 7N1, 7N2, 7O1, 7O2
Frame settings default:	8N1
Default address:	1

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.

ALARM MONITORING

Alarm monitoring:	No

MEASUREMENT VALUES RECORDED

PPC_PF_SET	Power factor setpoint
PPC_P_SET_REL	Active power setpoint
PPC_Q_SET_REL	Reactive power setpoint

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Logger3000 - PPC	Logger4000 - PPC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

victron energy

Color Control GX PPC

Beta version (see chapter „Beta version“)

COMMUNICATION

Communication interface:	Ethernet
Max. number of devices:	100
Protocol:	ModbusTCP
Port:	502
Default address:	1
Remote Device Access:	No

Timings

Timeout:	1 seconds
Delay:	none

ⓘ The maximum number of devices per bus is a recommendation for the affected driver for the visualization of 1-minute values. Please consider the software features of your blue'Log base module. Please refer to the blue'Log data sheet.
ⓘ Only Victron Color Control GX with firmware version > 2.80 get supported.

ALARM MONITORING

Alarm monitoring:	Yes

MEASUREMENT VALUES RECORDED

PPC_P_SET_ABS	Actual valid active power setpoint
STATE (1,...x)	Status (1,...x)

ⓘ The actual recorded values may vary depending on the device model or firmware.

SUPPORTED DEVICES

Color Control GX PPC

Please contact Sales for details of compatibility with devices not listed.
Phone: +49 (0)821 34666 - 80
E-mail: sales@meteocontrol.com

Appendix

SunSpec measurement values

The following list of measurement values shows the maximum set of values which are available for each device category and SunSpec models. Depending on the manufacturer of the device the available values vary.

Inverter

SUNSPEC MODELS 101, 102, 103

COS_PHI	Power factor (cos phi)
ERROR (1,...x)	Error (1,...x)
E_TOTAL	Energy total
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
I_DC	Current DC
P_AC	Power AC
P_DC	Power DC
Q_AC	Reactive power
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
T (1,...x)	Temperature (1,...x)
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1
U_DC	Voltage DC

SUNSPEC MODELS 122

E_TOTAL	Energy total
R_ISO	Insulation resistance

SUNSPEC MODELS 123

No measurements recorded

SUNSPEC MODELS 160

ERROR (1,...x)	Error (1,...x)
I_DC	Current DC
P_DC	Power DC
U_DC	Voltage DC

SUNSPEC MODELS 701

COS_PHI	Power factor (cos phi)
COS_PHI1	Power factor (cos phi) phase 1
COS_PHI2	Power factor (cos phi) phase 2
COS_PHI3	Power factor (cos phi) phase 3
ERROR (1,...x)	Error (1,...x)
F_AC	Grid frequency
I_AC	Current AC
I_AC1	Current AC phase 1
I_AC2	Current AC phase 2
I_AC3	Current AC phase 3
P_AC	Power AC
P_AC1	Power AC phase 1
P_AC2	Power AC phase 2
P_AC3	Power AC phase 3
Q_AC	Reactive power
Q_AC1	Reactive power phase 1
Q_AC2	Reactive power phase 2
Q_AC3	Reactive power phase 3
STATE (1,...x)	Status (1,...x)
S_AC	Apparent power
S_AC1	Apparent power phase 1
S_AC2	Apparent power phase 2
S_AC3	Apparent power phase 3
T (1,...x)	Temperature (1,...x)
U_AC	Voltage AC
U_AC1	Voltage AC phase 1
U_AC2	Voltage AC phase 2
U_AC3	Voltage AC phase 3
U_AC_L1L2	Phase voltage L1L2
U_AC_L2L3	Phase voltage L2L3
U_AC_L3L1	Phase voltage L3L1

SUNSPEC MODELS 704

No measurements recorded

SUNSPEC MODELS 714

ERROR (1,...x)	Error (1,...x)
I_DC	Current DC
P_DC	Power DC
STATE (1,...x)	Status (1,...x)
T (1,...x)	Temperature (1,...x)
U_DC	Voltage DC

Sensor

SUNSPEC MODELS 302

SRAD1	Irradiance 1
SRAD2	Irradiance 2
SRAD3	Irradiance 3
SRAD4	Irradiance 4
SRAD5	Irradiance 5

SUNSPEC MODELS 303

T	Temperature

SUNSPEC MODELS 305

E_ALT1	Altitude

SUNSPEC MODELS 307

E_AH_REL1	Humidity, relative
E_AP_ABS1	Air pressure, absolute
E_PRECIPITATION	Precipitation type
E_RF_ABS1	Precipitation quantity, absolute
E_SNOW_DEPTH	Snow depth
E_W_D	Wind direction
E_W_S	Wind speed
T	Temperature

SUNSPEC MODELS 308

E_W_S	Wind speed
SRAD	Irradiance
T (1,...x)	Temperature (1,...x)

Meter

SUNSPEC MODELS 201, 202, 203, 204

ERROR (1,...x)	Error (1,...x)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

SUNSPEC MODELS 213

ERROR (1,...x)	Error (1,...x)
M_AC_EQ_CAP_EXP	Reactive energy (capacitive export)
M_AC_EQ_CAP_IMP	Reactive energy (capacitive import)
M_AC_EQ_IND_EXP	Reactive energy (inductive export)
M_AC_EQ_IND_IMP	Reactive energy (inductive import)
M_AC_ES_EXP	Apparent energy (exported)
M_AC_ES_IMP	Apparent energy (imported)
M_AC_E_EXP	Active energy (export)
M_AC_E_IMP	Active energy (import)
M_AC_F	Grid frequency
M_AC_I	Current AC
M_AC_I1	Current AC phase 1
M_AC_I2	Current AC phase 2
M_AC_I3	Current AC phase 3
M_AC_P	Power AC
M_AC_P1	Power AC phase 1
M_AC_P2	Power AC phase 2
M_AC_P3	Power AC phase 3
M_AC_PF_COSPHI	Power factor (cos phi)
M_AC_PF_COSPHI1	Power factor (cos phi) phase 1
M_AC_PF_COSPHI2	Power factor (cos phi) phase 2
M_AC_PF_COSPHI3	Power factor (cos phi) phase 3
M_AC_Q	Reactive power
M_AC_Q1	Reactive power, phase 1
M_AC_Q2	Reactive power, phase 2
M_AC_Q3	Reactive power, phase 3
M_AC_S	Apparent power
M_AC_S1	Apparent power phase 1
M_AC_S2	Apparent power phase 2
M_AC_S3	Apparent power phase 3
M_AC_U	Voltage AC
M_AC_U1	Voltage AC phase 1
M_AC_U2	Voltage AC phase 2
M_AC_U3	Voltage AC phase 3
M_AC_U_L1L2	Phase voltage L1L2
M_AC_U_L2L3	Phase voltage L2L3
M_AC_U_L3L1	Phase voltage L3L1

String monitoring

SUNSPEC MODELS 401, 402, 403, 404

ERROR (1,...x)	Error (1,...x)
I (1,...x)	Current DC (1,...x)
I_SUM	Sum of DC currents
P_DC	Power DC
T	Temperature
U_DC	Voltage DC

Battery

SUNSPEC MODELS 713

B_E_STORED	Currently stored energy DC
B_SOC	State of charge
B_SOH	State of health
ERROR (1,...x)	Error (1,...x)