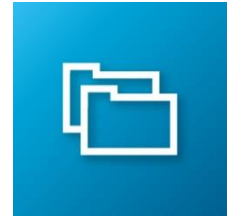


SFTP / FTP PUSH BLUE'LOG XM / XC

Item no.: 557.006



Transmission of the measurement data of your PV system to an SFTP / FTP server of your choice

LICENSE DESCRIPTION

The data loggers blue'Log XM / XC enable the daily transmission of data recorded by a PV system to an SFTP / FTP server via SFTP / FTP push. With this function, measurement data can be sent not only to meteocontrol's VCOM portal but also to an independent SFTP / FTP server.

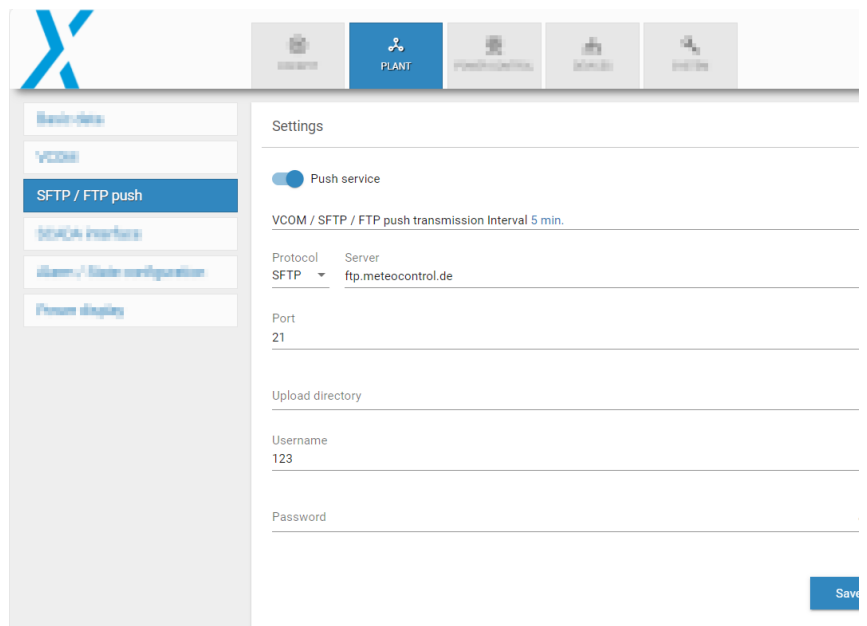
The license SFTP / FTP push activates this function on the data logger.

FEATURES

- + Platform-autonomous data exchange of interval values via XML
- + Adjustable transmission intervals of 5, 15 and 60 minutes
- + Transmission of compressed files (Gzip archive)
- + Measurement values in one-minute intervals
- + Automatic resending of data if the connection is interrupted
- + Transmission of historical data (at least 100 days in the past)
- + Option to choose between FTP or secure SFTP transmission
- + Compatibility with Linux and Windows sftp / ftp servers
- + Transmission of alarm notification is possible by sending an alarm via e-mail (menu "PV system – alarm configuration")

REQUIREMENTS

- + blue'Log XM / XC
- + License SFTP / FTP push*
- + Configuration is done in the menu "PV-Plant – SFTP / FTP push"



The screenshot shows the 'PLANT' configuration page in the meteocontrol web interface. The left sidebar contains a navigation menu with options: 'Basic data', 'VCOM', 'SFTP / FTP push' (highlighted), 'Status interface', 'Alarm / State configuration', and 'Power display'. The main content area is titled 'Settings' and includes a 'Push service' toggle switch which is turned on. Below this, the 'VCOM / SFTP / FTP push transmission interval' is set to 5 min. The 'Protocol' is set to 'SFTP' and the 'Server' is 'ftp.meteocontrol.de'. The 'Port' is set to 21. The 'Upload directory' field is empty. The 'Username' is set to 123 and the 'Password' field is empty. A 'Save' button is located at the bottom right of the settings area.

- + Transmission interval (setting applies to VCOM and SFTP / FTP push)
- + [ftp://servername](#) (sftp://)
- + FTP / SFTP port (default 21)
- + Upload directory can be set in case data should get pushed to a specific directory
- + User name
- + Password

*The license is linked to a specific device. When ordering, please provide the 14-digit hardware serial number of the data logger.

GZIP ARCHIVE / XML FILE

- + A XML file contains 5 x 1min
- + All time stamps in the file use the UTC format (i.e., 2018-01-14T10:00:00Z)
- + For transmission intervals of >5 minutes, a number of files will be sent each time (for 60 minutes: 12 XML/gz files)
- + Each XML-File will be compressed and transferred as gz archive
- + File names of the XML and Gzip files:
 - XML
 - <Serial number >_< date >_<start time of the data>_<end time of the data> (e.g. 79810829150006_20181224_2300_2315.xml)
 - GZIP
 - <Serial number>_<date>_<start time of the data>_<end time of the data> (e.g., 79810829150006_20181224_2300_2315.xml.gz)
 - The times used in the file name are UTC based.

STRUCTURE OF THE XML FILE

The XML file is based on meteocontrol's import specifications for the VCOM

<https://github.com/meteocontrol/meteocontrol.github.io/tree/master/import-specification>

Example of the blue'Log device structure

```
<device type="DEVICE-TYPE" id="deviceId">
  <uid>deviceId</uid><!--blue'Log deviceId -->
  <name>Inverter 13.37</name>
  <vendor>Huawei</vendor>
  <model>SUN2000-28KTL</model>
  <serial>1234567890</serial>
  <firmware>9.99.99</firmware>
  <interface-type>RS485</interface-type><!-- ETHERNET, PIN, RS485 -->
  <interface-address>BM_RS485_2</interface-address><!--blue'log portId -->
  <address>${data.address}</address>
</device>
```

Example of units

As a rule, SI units are used by the data logger. Units that differ from import specifications are found in the area <abbreviations>

```
<abbreviations>
  <mv t="E_INT" unit="Wh" />
  <mv t="E_DAY" unit="Wh" />
  <mv t="E_TOTAL" unit="Wh" />
  <mv t="R_ISO" unit="Ohm" />
</abbreviations>
```

Example of an XML file

On meteocontrol's home page, you can download an example of an XML file in the area "blue'Log XM / XC" by using the following link:

<https://www.meteocontrol.com/en/services/downloads/>