

STCU DS1-LOG

Concentrator for reading M-Bus devices with display and datalogger

The STCU DS1-LOG device is a Master for M-Bus networks with the purpose of reading data from the meters connected and store them internally.

The logs saved in memory can be visualised through the display, or via the "STCU Reader" software (provided separately).

The device can be configured directly via display, or locally through the "STXM Reader" software.

The STCU DS1-LOG has a memory of 1 MB dedicated to saving the readings. The filling time of the memory depends largely on the number of devices connected to the M-Bus network and the frequency of readings. With 100 devices connected to the network, memory will be filled after about 50 readings. After that, the less recent data will be overwritten.

The STCU DS1-LOG concentrator, among other functions, manages the STCR-IO devices, i.e. M-Bus slave equipped with a digital input and output, which using the software "STXM Reader" can be configured according to your needs.



TECHNICAL FEATURES

- Power supply:
 - STCU-060-DS1-LOG 230VAC 50/60Hz, 15 W (Maximum).
 - STCU-120-DS1-LOG 230VAC 50/60Hz, 20 W (Maximum).
 - STCU-250-DS1-LOG 230VAC 50/60Hz, 35 W (Maximum).
- Operating temperature: 0 – 45 °C.
- Indicator for M-Bus line status.
- USB port for local devices reading and configuration.
- Local reading through display, or via PC and dedicated "STXM Reader" software.
- M-Bus Master (2400 Baud) port, protected against overload and short circuit.
- Reporting of any overloading in the M-Bus line.
- Various models for reading up to a maximum of 60, 120 or 250 devices (can be extended to 500 through STAM amplifiers).
- 1 MB memory for storing the log.

FUNCTIONAL FEATURES

- Reader for meters and/or devices with M-Bus interface.
- Display for configuration and for showing the readings values.
- Instant values reading of devices through display, or via PC and dedicated software ("STCU Reader").
- Saving of readings on the internal device memory.
- Up to two schedulers can be set up for daily, weekly or monthly automatic log run and counting values saving.
- The log can be displayed through display, or via PC and dedicated software ("STCU Reader").
- Device configuration through display, or locally via PC and dedicated software ("STXM Reader").
- "STCR-IO" (IO M-Bus) devices management.

DIMENSIONAL FEATURES

- Colour: Grey RAL 7035
- Material: PPO self-extinguishing
- Dimensions: 150mm x 200mm x 78mm
- Protection: IP 66

PRODUCT CODE

STCU-060-DS1-LOG	Master M-Bus for 60 meters (can be extended to 500 through STAM amplifiers) with display and datalogger for saving the readings.
STCU-120-DS1-LOG	Master M-Bus for 120 meters (can be extended to 500 through STAM amplifiers) with display and datalogger for saving the readings.
STCU-250-DS1-LOG	Master M-Bus for 250 meters (can be extended to 500 through STAM amplifiers) with display and datalogger for saving the readings.

RELATED PRODUCTS

ST-SWC-C2	Software for local concentrator configuration ("STXM Reader").
SG-PRG-USB	Mini USB – PC connection cable (standard).
ST-AM-120-01	Amplifier module for extending the network by 120 further devices.
ST-AM-250-01	Amplifier module for extending the network by 250 further devices.
ST-SWL-C01	Software for reading local meters ("STCU Reader").
STCR-IO-001	M-Bus slave device with one relay output and one input.