



mBus 10 - M-Bus / RS-232 transmission converter

The mBus 10 is an transparent converter from M-Bus electric interface to RS-232 serial interface.

Basic information

- The converter operates as a M-Bus Master and allows you to power (connect) up to 10 standard M-Bus receivers (so called M-Bus Slaves) through M-Bus Master output. You can connect fewer devices at a higher M-Bus load over long distances.
- You can use mBus with any devices equipped with M-Bus interface, e.g. heat meters, electricity meters, gas meters, executive modules, recorders, measuring instruments.
- The converter has LEDs indicating data transmission: transmission (Tx), reception (Rx) and power supply (POWER).
- Connection interfaces are made of screw connection terminal blocks. DIN rail mountable plastic housing (TS35).

Operating conditions

- Power supply: 12 ~ 25V DC
- Operating temperature: 0 ~ 60 °C
- Storage temperature: -20 ~ +85°C
- Humidity: 5 ~ 95% RH (non-condensing)
- Dimensions: 32 x 89 x 63 mm (WxDxH)



mBus 10

Technical parameters:

- Baud rate: 300 ~ 19200 bps
- RS-232: Tx, Rx, GND, RTS, CTS
- M-Bus Master: M1, M2
- Maximum number of M-Bus receivers: 10 (M-Bus Slave)
- Surge protection: 43V 600W/1ms
- Galvanic separation:
 - RS-232 ~ M-Bus - 100V AC/DC
 - RS-232 ~ power supply - 100V AC/DC
 - Power supply ~ M-Bus - none