

# mBus10-RS485

M-Bus/RS-485 transmission converter

The **mBus10-RS485** is a transparent converter from M-Bus electric interface to RS-485 serial interface.



mBus10-RS485

## 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.

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: 70 x 90 x 65 mm (WxDxH)

## Technical parameters

Baud rate: 300 ~ 19200 bps

RS-485: 485+, 485-

M-Bus Master: M1, M2

Maximum number of M-Bus receivers:  
10 (M-Bus Slave)

Surge protection: 43V 600W/1ms

Galvanic separation:  
RS-485 ~ M-Bus - 100V AC/DC  
RS-485 ~ power supply - 100V AC/DC  
Power supply ~ M-Bus - none