

# mBus400

M-Bus/RS-232 transmission converter

The mBus 400 is an transparent converter from M-Bus to RS-232 interface. You can connect 4 RS-232 signal lines - RxD, TxD, CTS, RTS.

## Basic information

The converter operates as a M-Bus Master and allows you to power (connect) up to 400 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 (TxD), reception (RxD), overload on M-Bus (ERROR), M-Bus ready (READY), power supply (POWER).

Connection interfaces are made of screw connection terminal blocks. DIN rail mountable plastic housing (TS35).

## Operating conditions

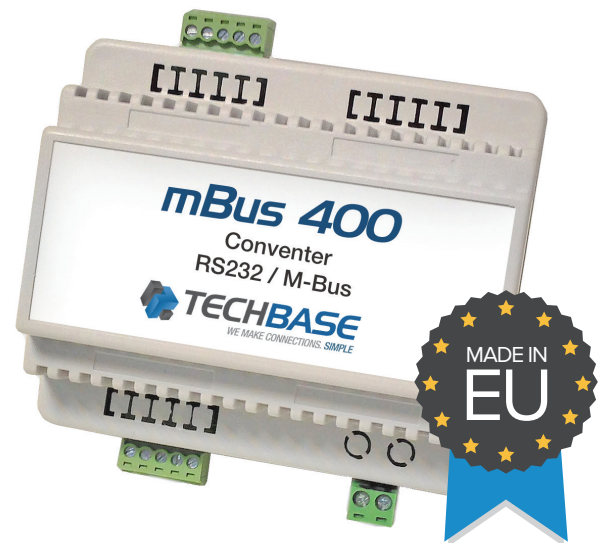
Power supply: 20 ~ 35V DC

Operating temperature: 0 ~ +60 °C

Storage temperature: -20 ~ +85 °C

Humidity: 5 ~ 95% RH (non-condensing)

Dimensions: 105 x 90.5 x 60.2 mm (WxDxH)



mBus400

## Technical parameters

Baud rate: 300 ~ 19200 bps

RS-232: TxD, RxD, GND, RTS, CTS

M-Bus Master: M1, M2

Maximum number of M-Bus receivers:  
400 (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 - 100V AC/DC

