

M-Bus Mikro-Master

The Service Master



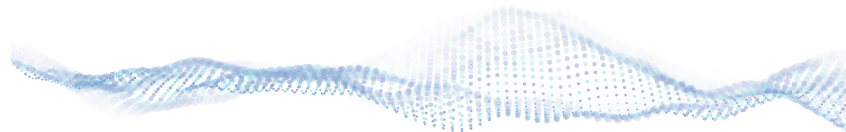
Mains-independent M-Bus master with USB-Interface for mobile installations and readout of small M-Bus systems with a Laptop.

The M-Bus Mikro-Master is a complete M-Bus level converter, specially designed for mobile use. The device is supplied from the USB interface, which makes an external power supply unnecessary. This and its small housing recommend the Mikro-Master USB especially for service purposes such as meter parameterization, commissioning of installations or troubleshooting.

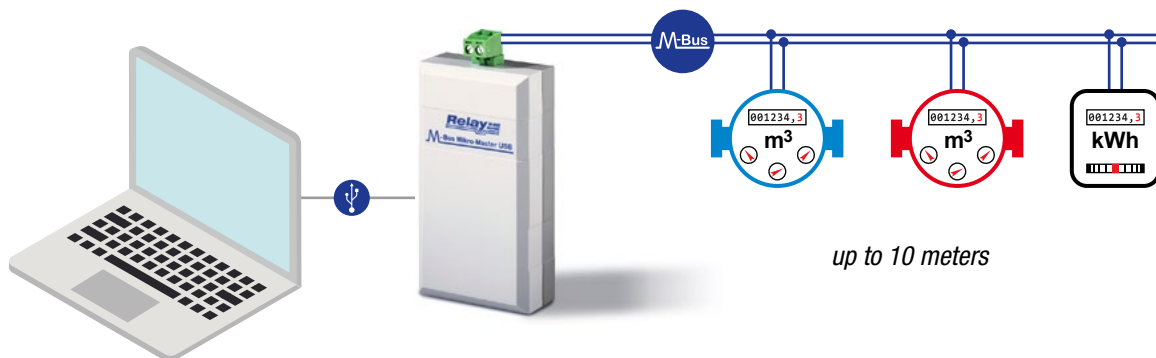
For small networks of up to 10 meters, the MikroMaster USB is also suitable for permanent use in the installation. In combination with a laptop it is the ideal tool for every service technician and should not be missing in any toolbox.

Features

- Portable M-Bus master
- Operates up to 10 M-Bus slaves
- Supplied by the USB-interface
- Transmission speed max 9600 baud
- Short circuit protection at the M-Bus
- Energy-saving mode

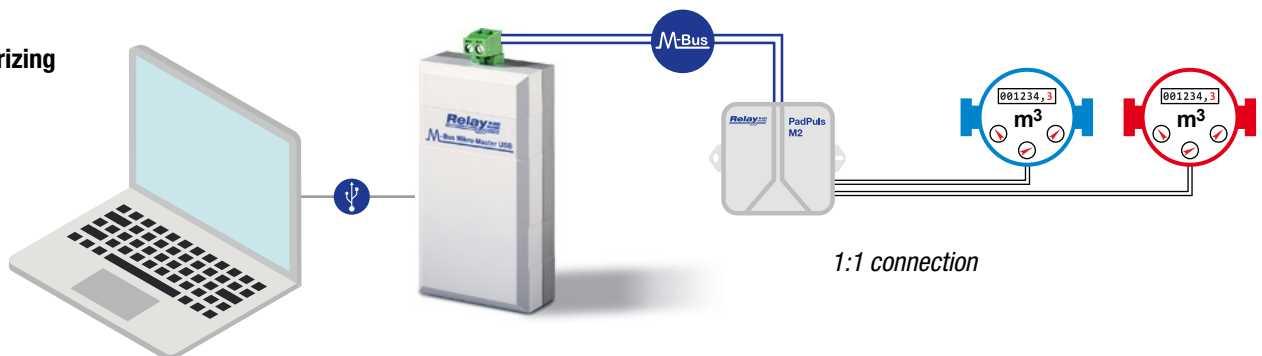


read out



Mikro-Master USB

parameterizing



Operation and Features

The Mikro-Master is a powergrid independent M-Bus master with USB interface, which is used for communication and also for power supply.

The communication via a virtual comport allows you to use any conventional M-Bus software with serial communication (for example, MBSheet, MBConf, or the parametrization tool of the meter manufacturer). As a result, M-Bus slaves can be parameterized, read-out or tested directly on site, in the installed state.

The Mikro-Master is also able to operate a small M-Bus network with up to 10 slaves. Thus, it is suitable e.g. in the case of an error search for the section-wise testing of installations or even for permanent read-out.

Specifications

Operating voltage	5VDC ±5%
Power consumption	max. 2,5W
Temperature range	0 .. 55 °C
M-Bus voltage	28V (Mark), 16V (Space)
M-Bus Standby current	max. 15mA (10 unit loads)
Overcurrent threshold	60mA
Bus impedance	approx. 100 Ω
Bus extension	max. 500m (J-Y(St)-Y nx2x0,8) (10 devices at bus end)
M-Bus baud rate	300 .. 9600 Baud with echo suppression
Housing	light-grey, plastic protection type IP40 H x W x D: 30 x 54 x 110 mm
Interfaces	USB 2.0 socket type B M-Bus: plug-in screw terminal

Ordering

Article number	Description
MR003 USB	Mikro-Master USB incl. USB cable

Article number	Description
SW_MBSHEET	M-Bus readout software with automatic meter search and CSV export
SW_DOKOM	M-Bus read out software, available in various license amounts