

USBtoMBus-5K

USB to M-Bus communication interface converter

- > USB to M-Bus converter for 1 to 5 M-Bus devices.
- > Indication of power, communication and M-Bus line error state with status LEDs.
- > Communication speeds up to 9600bps.
- > Protections and filters ensuring high levels of resilience of the entire device against surges and failures.
- > Compact dimensions of a USB thumb drive.



Prehľad

USBtoMBus-5K communication converter is a durable converter of the M-Bus industrial communication bus to the common USB computer interface. The converter enables easy connection of M-Bus devices to computer systems using the USB interface for data collection and processing.

The converter can be used as an easy portable configuration tool for setting M-Bus meters.

The converter creates a virtual serial port after it has been connected to a PC. The communication parameters of this port can be configured in its driver settings or directly in the program that will use this port.

The M-Bus port has a connection capacity for one to five M-Bus slave devices. The interface has the highest grade of surge protection and is resilient against failures on the M-Bus bus.

Operational statuses are indicated by four LEDs which makes it easy to determine the actual state of the converter or possible causes of failure. The LEDs indicate the state of the power supply voltage, M-Bus communication and fault conditions of the M-Bus line.

Technical parameters

USB communication interface

| | |
|---------------------|-----------------------------|
| Protection | protection against 15kV ESD |
| Galvanic separation | 1kV from M-Bus line |

M-Bus Master communication interface

| | |
|------------------------------|---|
| Number of attachable devices | 1 to 5 |
| Baud rate | 300 - 9600 bps |
| Protection | - overvoltage protection TVS 600W - electronic protection against overloads and short circuit on line note: converter can withstand a sustained short circuit on the line |
| Galvanic separation | 1kV from USB |

Power supply from USB port

| | |
|-------------------|---|
| Power consumption | 0.25W to 1.1W depends on M-Bus line load and communication. Max. consumption during M-Bus line short 1.5W. |
|-------------------|---|

Temperature

| | |
|-----------------|-------------|
| Operating range | 0°C to 60°C |
|-----------------|-------------|

Dimensions

| | |
|-----------|---|
| W x L x H | 14.4 x 22 x 73 mm, 14.4 x 22 x 76.1 mm with cap |
|-----------|---|

Manufacturer:

JC Elektronika s.r.o.

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