

PW20

M-Bus Level-Converter for 20 slaves



Function of the Master-PW devices

The devices in the PW series are M-Bus master interfaces for networks with 3, 20 and 60 slaves. They are compact in design (wall or rail mounting) and have a broad supply voltage range. The actual operating state is indicated by several LED at the front. All device versions in the PW series are equipped with a RS232 port. The control computer can communicate with the M-Bus meters by the integrated IR optical interface using a ZVEI optical head.

Features

- Integrated RS232-Interface (PC as master)
- Optional optical interface (laptop / handheld as temporary master)
- Max. 20 slaves (Unit loads with 1,5mA)
- Power supply 12-24V DC/AC
- Baudrates: 300 to 9600 Baud
- Overcurrent and short-circuit protection on the M-Bus
- Display for data transmission and system status
- Rail or wall mounting





Technical data

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|------------------------------|---------------------------------|
| Operating voltage | 10,8V .. 28V DC 10,8V .. 28V AC |
| Power consumption | max. 7W |
| M-Bus voltage (without load) | 32V |
| Max. M-Bus quiescent current | 30mA (20 Standardlasten) |
| Internal bus resistance | ca. 100Ω |
| Overcurrent threshold | 60mA |
| Transmission speed RS232 | 300 .. 9600 Baud |
| Transmission speed RS485 | -- |
| Transmission speed optical | 2400 Baud |
| Galvanic isolation to M-Bus | -- |
| Bit Recovery | -- |
| Temperature range | 0..55°C |
| Dimensions H x W x D | 78 x 56 x 117 mm |
| Protection | IP40 |