

# PW60

Signal processor driven  
M-Bus Master / Level-  
Converter for 60 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.

The PW60 has an additional noise-free RS485 port which enables greater distances between control computer and level converter.

## Features

- Integrated RS232 interface (PC as Master)
- RS485 interface
- Galvanic insulation between M-Bus and PC
- Optical-Interface (Laptop / Handheld as Master)
- Baudrates from 300 to 9600 Baud
- Bit-Recovery (recovery of bit times)
- Protection against overcurrent and short-circuit on M-Bus
- Echo Cancellation and Collision Detect with Break-Signalling
- Displays for power, data transmission, max. bus current and overcurrent
- External 20-45V DC or 20-30V AC supply
- Housing for wall or rail mounting



## Technical data

Operating voltage	20V .. 45V DC 20V .. 30V AC
Power consumption	max. 16W
M-Bus voltage (without load)	38V
Max. M-Bus quiescent current	90mA (60 Standardlasten)
Internal bus resistance	approx. 20Ω
Overcurrent threshold	140mA
Transmission speed RS232	300 .. 9600 Baud
Transmission speed RS485	300 .. 9600 Baud
Transmission speed optical	2400 Baud
Galvanic isolation to M-Bus	yes
Bit Recovery	yes
Temperature range	0..55°C
Dimensions H x W x D	78 x 70 x 118 mm
Protection	IP40