



M-BUS Module for water meters



for remote reading of water meters
monitoring of the counter values
to use in facility management

1. Ranges of application

- in connection with an single- and multi-jet water meters (impeller and ring piston meter), dry rotor meter type WEHRLE-Modularis
- suitable for hot and cold water
- for read-out over M-BUS

2. Device description

M-Bus add-on device for water meters with the Modularis-housing.
Components completely poured.

3. Functional principle

The movement of the pointer of the water meter is indicated optically and converted into electric impulses. Data is stored in the internal memory and can be queried via M-bus at any time.

4. Highlights

- signal-pickup reliability
- low energy consumption
- robust construction
- electronics protected by casting compound
- power supply via BUS
- internal backup battery
- set up by software

Technical data sheet

Technical data

Parameter	Value
service life	> 12 years
battery life without M-BUS-connection	max. 2 years (including shelf life from date of manufacture)
power consumption on M-BUS	< 1,5 mA (1 Bus load)
max. flow	30.000 Liter/h
forwards and backwards run recognition	synchronously to the counting mechanism also by backwards run
data rate on the M-BUS	2400 Baud switchable to 300 Baud
primary address	0-250 (given from the user)
secondary address (ID/DEVICE NUMBER)	0-8 digit (given from the user) at delivery like serial number
serial number	0-8 digit (given from the manufacturer) not to change from the user
protection class	IP 65/IP 68
connecting lead	1 Line (2x0,25 mm ²)
cable length	1 m at IP 65, 2 m at IP 68
norm relation	Implemented protocols satisfy requirements by EN 1434, EN 13757-2, EN 13757-3
EMV	EN 55011, EN 61326-1, EN 61123-1, EN 61000-4-20, EN 61000-4-3, EN 61000-4-4, EN 61000-4-6
test sign	CE
mount placing	arbitrary

Scope of delivery

- M-BUS Module
- Installation and assembly instructions

Glaubitz, November 2016
Errors and technical changes reserved