M-BUS Module for water meters

Reading-out of water meters. Supervision of the indicated value of water meters. Integration into building facility management.

1. Ranges of application

- in connection with 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 are stored in the internal memory and can be arbitrary often read-out by M-Bus.

4. Highlights

- signal-pickup reliability
- high protection against manipulations
- low energy consumption
- robust construction
- all electronic parts are poured
- power supply via BUS
- buffer battery in the module
- configuration via software

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Technical data sheet

Technical data

Parameter	Value
service life	> 12 years
buffer battery	CR2032 , 225 mAh
service life without M-BUS-connection	max. 2 years
stream admission	< 1,5 mA (1 Bus load)
max. flow amount	30.000 Litre/h
forwards and backwards run recognition	synchronically 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)	8 digits (given from the user) at delivery like a serial number
serial number	8 digits (given from the manufacturer) not changeable by the user
protection class	IP 65/IP 68
connecting lead	1 Line (2x0,25 mm²)
cable length	1 m at IP 65, 2 m at IP 68
norm relation	Implemented protocols fulfil requirements by EN 1434, EN 13757-2, EN 13757-3
EMC	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

State: September 2017
Technical changes reserved

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