

mod.

IWM-MB3

Wired M-BUS module
for multi jet water meters with inductive interface

V3.2



Compatible water meters

mod. CPR-M3-I



mod. GMDM-I
mod. GMB-RP-I
mod. GMB-I



ENG

Description

The IWM-MB3 is suitable for remote reading applications in a residential, commercial and industrial context. This M-BUS module allows the meter consumption data collecting by using the standard Wired M-BUS protocol, developed for remote meters reading. The use of an inductive target into the meter dial excludes the possibility of magnetic fraud and makes the application insensitive to the pipes vibrations.

The IWM-MB3 is compatible with all the pre-equipped multiple jet meters (wet, semi-dry and dry dial) and provides:

- Consumption analysis with reverse flow compensation.
- Fraud detection (removal of the module, external magnetic field tampering, reverse flow, water leakage). All the alarms are recorded and reported into the M-BUS telegram sent by the module.
- IP68 protection* allows the installation of the module even in harsh environments.
- NFC interface allows configuration and commissioning of the device with the use of a simple smartphone app.

Technical features	
Protocol	MBUS EN13757-2\3
Cable length	1,5 meters
Compatible water meters	CPR-M3-I, GMDM-I, GMB-RP-I, GMB-I
Sensitivity measure	1 liter
Reverse flow	Activate for the backward flow amount after user-settable threshold
Energy supply	Non-replaceable lithium battery, rechargeable (automatic recharge from the BUS network). Backup for measuring function in absence of BUS voltage.
Protection class	IP68*
Weight	122 g
Size (l x p x h, cable excluded)	88 x 69 x 28 mm
Working Temperature	from +1°C to +55°C
Transmitted data	Volume (consumption), alarms
Maximum reading error	0,5%
Alarms	Module removal, magnetic fraud attempt, backward flow, leakage detection.
Module programming requirements	<ul style="list-style-type: none"> • Android device (smartphone, tablet, etc.) with an NFC interface and the Bmetering NFC Config android app freely downloadable from GOOGLE PLAY. • Any M-BUS level converter and Windows PC with BMBus software installed (or other M-BUS softwares).

* IP68: maximum 24 hours of continuous submersion at 1 m depth