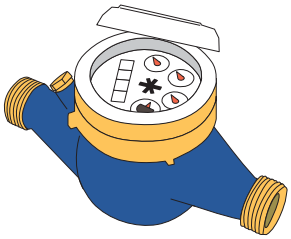
mod.

IWM-MB3

MBUS wired module
for meters with inductive interface

Compatible water meters



mod. **GMDM-I**
mod. **GMB-I**

The IWM-MB3 is suitable for remote reading applications in a residential, commercial and industrial context. This is an MBUS module that allows the consumption of the meter to be acquired by connecting them to the network using the standard MBUS protocol, historically developed for remote meter reading.

The use of an inductive target at the counter excludes the possibility of magnetic fraud and makes the application insensitive to the vibrations of the pipes.

The IWM-MB3 is compatible with all the predisposed multiple jet meters (wet and dry dial) and allows:
• Consumption analysis with reverse flow compensation that provides an always perfect alignment between the meter clockwork and the totalizer.
• Fraud control (removal of the radio module, application of external magnetic field, reverse flow, identification of system loss). Magnetic tampering of the counter, removal, exceeding of the reverse flow and loss threshold are recorded and signaled in the telegram transmitted by the module.
• IP68 protection* allows the use of the module also for meters installed in harsh environments.
• NFC interface allows configuration and commissioning of the device with the use of a simple smartphone app.

Compatible water meters	GMDM-I, GMB-I
Cable length	1.5m
Protocol	MBUS EN13757-2\3
Sensitivity measure	1iter
Reverse flow	Activate for the backward flow amount after user-settable threshold
Battery	Non-replaceable lithium, rechargeable (automatic recharge from the BUS network). Backup for measuring function in absence of BUS voltage
Transmitted data	Volume (consumption), alarms
Alarms	Discharged battery, module removal, magnetic fraud attempt, backward flow, leakage detection.
Protection class	IP68*
Weight	120 g
Size (l x p x h, cable excluded)	88 x 70 x 25 mm
Working Temperature	+1° / +55°C
Module programming requirements	Android device (smartphone, tablet, etc.) with an NFC interface and the NFC IWM Config APPfreely downloadable from GOOGLE PLAY

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