



# IWM-MB3

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

The BMETERS IWM-MB3 is suitable for remote reading in residential, commercial and industrial applications. This M-BUS module allows the meter consumption data collecting by using the standard Wired M-BUS protocol, historically 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

<b>Protocol</b>	MBUS EN 13757-2\3
<b>Cable length</b>	1.5 meters
<b>Compatible water meters</b>	GMDM-I, GMB-I
<b>Sensitivity measure</b>	1 litre
<b>Reverse flow</b>	Activate for the backward flow amount after user-settable threshold
<b>Energy supply</b>	Non-replaceable lithium battery, rechargeable (automatic recharge from the BUS network). Backup for measuring function in absence of BUS voltage
<b>Transmitted data</b>	Volume (consumption), alarms
<b>Alarms</b>	Module removal, magnetic fraud attempt, backward flow, leakage detection
<b>Protection class</b>	IP68*
<b>Weight</b>	122 g
<b>Size (l x p x h, cable excluded)</b>	88 x 69 x 28 mm
<b>Working temperature</b>	+1° / +55°C
<b>Module programming requirements</b>	Android device (smartphone, tablet, etc.) with an NFC interface and the NFC IWM Config APP freely downloadable from GOOGLE PLAY. Any M-BUS level converter and Windows PC with B M-BUS software installed (or other M-BUS software**).

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

\*\* Ask to your dealer about the software compatibility.

# DESIGNING, PRODUCING AND DISTRIBUTING SOLUTIONS FOR OVER 25 YEARS

B METERS is an Italian company that has been designing, producing and distributing instruments and solutions for measuring the consumption of water and thermal energy used for heating and cooling, for over 25 years.

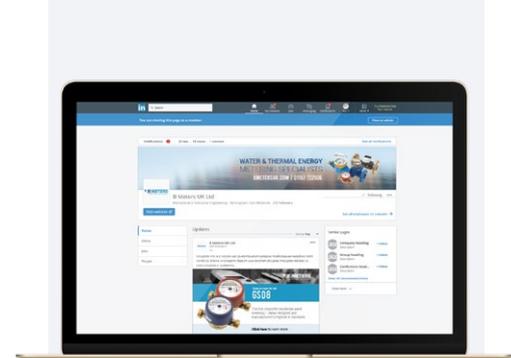
The yearly production currently exceeds 2M units, putting B METERS in a leading position both at national and European level.

The product range includes turbine (velocity) type single and multi-jet water meters with mechanical or magnetic transmission, Woltmann meters, irrigation meters, flow meters, thermal energy meters and heat cost allocators with direct reading, or complete with integrated modules for the remote transmission of the consumption data.



EN 1434

EN 834



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