mod.

IWM-TX3

V21.2

Wireless M-BUS module
for multi jet meters with inductive interface

Compatible water meters

mod. CPR-M3-I

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

ENG

Description

IWM-TX3 has been designed to allow wireless remote reading in different types of applications from the residential sector to the commercial and industrial sectors. The radio module thanks to the presence of the inductive target into the meter dial allows the reading of the volume consumption without any constraints of access to the site in Walk-by mode or AMR, in respect of the wM-Bus standard.

- *Consumption analysis with reverse flow compensation that provides an always perfect alignment between the totalizer and the meter.*
- *Fraud control (removal of the radio module, application of external magnetic field, reverse flow, identification of system loss).*
  Magnetic tampering to the meter and removal are recorded and reported to the receiving system via radio transmission.
  The presence of reverse flow is recorded in an additional register that allows to calculate the amount of water passed in reverse.
  The loss function can be monitored at the time of reading or by the AMR system if a timely update is desired.
- *IP68 protection* allows the use of the module also for meters installed in difficult environments.*
- *NFC interface allows configuration and commissioning of the device with the use of a simple smartphone app.*

Technical features	
Radio interface	W-Mbus EN13757-4 @868 MHz ≤ 25 mW, modo T1
Coverage	500m*
Compatible water meters	CPR-M3-I, GMDM-I, GMB-RP-I, GMB-I
Pulse output minimum value (K)	1 liter
Configuration	Via radio (with RFM-RX2 and software B Metering), NFC (with Android app)
Energy supply	Non-replaceable lithium battery, maximum lifetime 10 years**
Protection class	IP68***
Weight	124 g
Size (l x p x h)	88 x 75 x 60 mm
Working temperature	from +1°C to +55°C
Transmitted data	Volume (consumption), backward flow volume, 12 monthly historical values, battery status, alarms
Maximum reading error	0,5 %
Alarms	Discharged battery, module removal, magnetic fraud attempt, backward flow, leakage detection
Module programming requirements	Android device (smartphone, tablet, etc.) with an NFC interface and the android Bmetering NFC Config app freely downloadable from GOOGLE PLAY • RFM-RX2 receiver, magnet and Windows PC with B Metering software installed

** In optimal signal transmission conditions*
*** The battery life strongly depends on the working time window, set during the configuration process, and on the environmental conditions*
**** IP68: maximum 24 hours of continuous submersion at 1 m depth*