mod.

IWM-TX5

V1.5

Wireless M-BUS module for GSD8-I water meters

NFC

ANDROID

Google play

M-Bus wireless



Compatible water meters

mod. GSD8-I



ENG

Description

IWM-TX5 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 on-site intervention, in walk-by mode or AMR (automatic meter reading), in respect of the WMBUS standard.

• Consumption analysis with reverse flow compensation that provides an always perfect alignment between the totalizer and the water meter.

• Fraud control (removal of the radio module, application of external magnetic field and NFC field, reverse flow, leakage detection). Magnetic/NFC 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 leakage detection can be monitored at the time of reading or by the AMR system if a timely update is desired.

• IP68 protection class allows the use of the module also for water meters installed in difficult environments.

• NFC interface allows configuration and commissioning of the device with the use of a simple Android app for smartphone, tablet or other NFC device.

Technical features	
Radio interface	*W-Mbus EN13757-4 @868 MHz ≤ 25 mW, mode T1*
Coverage	*300 m**
Compatible water meters	*GSD8-I*
Pulse output minimum value (K)	*1 liter*
Configuration	*NFC*
Power supply	*Non-replaceable lithium battery 3.0V, maximum lifetime 13 years***
Protection class	*IP68****
Weight	*57 g*
Size (l x p x h)	*70 x 90 x 30 mm*
Working temperature	*from +1° to +55°C*
Transmitted data	*Volume (consumption), total of reverse flow, 12 monthly historical values, alarms*
Alarms	*Discharged battery, module removal, magnetic fraud attempt, NFC fraud attempt, reverse flow, leakage detection, QMax overflow*
Maximum reading error	*0,5%*
Module programming requirements (optional)	*Bmetering software on Microsoft Windows. NFC Android device and BMetering NFC Config app freely downloadable GOOGLE PLAY.*

** 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*