Radio-module VM S Plus

An electronic module VM S Plus is intended for mounting with water meters Sensus Residia. This module enables remote reading of measured values.

The module can be attached during water meter production, or during assembling, or even anytime to already mounted meters. Therefore it is applicable for those flat users, who have already water meters installed. When a module is additionally mounted to a water meter, both devices will be electronically linked so remotely read values will include a code of the appropriate water meter. When a module is additionally installed, it reads water consumption since its installation.

Safe Reading is Emphasized

The radio module is equipped with an active magnetic protection, which registers attempt of influence function of the water meter using a magnet. The radio module is equipped against manipulation with an electronic seal.
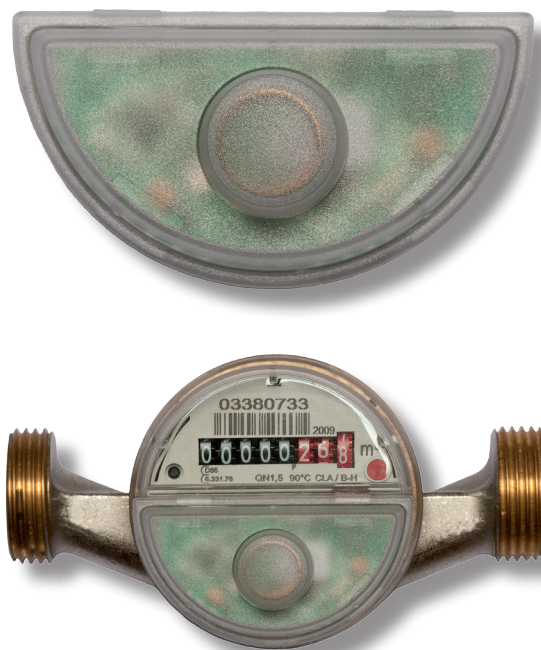
An electronic guard registers any attempt of removing the module from the water meter. In that case an error state is generated and when remote reading, it is transmitted out.

Wireless M-Bus/OMS

The communication is based on the Open Metering System Standard (known as OMS). This standard is Europe's only system definition that incorporates all media (electricity, gas, heat and water, including sub-metering) system. It was developed by the industry to guarantee a future-proof communications standards and interoperability between all counter products.

OMS counters of different manufacturers can be combined easily.

VIPA CZ is 100 % owned by Czech citizens. We have long lasting experience in development and production of heat expense allocators and subsequent billing of heating costs. Do not hesitate to contact us in case of interest in more detailed information.

Benefits

- reading without entering flats
- elimination of errors caused by manual reading
- speeding up measured data processing
- last 18 readings are stored into a device memory
- fully reliable reading, not interfered by a service person
- easy to integrate to existing AMR solutions

Radio data transmission

Encrypted data transmission

Active anti-magnetic protection

Wireless M-Bus compatible

OMS standard supported

Made in CZ

Technical data

Working life	10 years with a reserve
Power supply	3.6 volt lithium battery
Protection	active anti-magnetic protection, electronic detection of unauthorized manipulation
Dimensions (mm)	64 x 34 x 35
Communication protocol	RCom - bidirectional encrypted communication (walk-by), Wireless M-Bus (OMS) T1 mode (AMR)
Device memory	values in last 18 months (RCom - walk-by)
Calendar function	adjustable day in moth of reading
Frequency	868,95MHz
Radiated power (max.)	12 mW
Antenna	Internal antenna
Operating temperature	0 °C – 80 °C
Protective category	IP 65

Change of technical parameters of the product is reserved.

Installation and Configuration

For installation and configuration purposes, an intuitively operable software for Windows is provided.

Configuration is performed wirelessly using the unit ZET810 and RCOM protocol.