Smart Water Meter

Smart Water Meter provides consumers with high-performing remote reading solution and real-time information and analysis about their water consumption through utilizing a local wired interface - RS485/DLMS, Euridis, MBus, Pulse, Digital Impulse or proprietary serial wired protocols.

It is an intelligent enabler for improving consumer relations, reducing Non-Revenue Water and managing an ageing infrastructure to optimizing operations and ensuring a safe and steady water supply.

In addition, Smart Water Meter exhibits novel capabilities and water control, through smart valve control scenarios. Our Meter offers vast capabilities in terms of its communication module, which supports narrowband, 2G, 3G, 4G/LTE, and NB-IoT/LoRaWan communication systems.

Examples of Usage

- Monitoring of water consumption in buildings
- Monitoring of industrial equipment
- Control of valve from central office

Smarter, Safer, Greener

Brief Product Specifications

Key characteristics

- Real-Time Monitoring and Data Reading through utilizing a local wired interface - RS485/DLMS, Euridis, MBus, Pulse, Digital Impulse or proprietary serial wired protocols
- Supports narrowband, 2G, 3G, 4G/LTE, and NB-IoT/LoRaWan communication systems with backhaul to 2G
- Remote valve switching (open/semi-open/close)
- Space efficient and simple installation without the necessity to disrupt the monitored premises
- Tamper alert in case of opening or trying to access the device
- Built-in battery powered with minimum 10 years lifetime
- Low Battery Indication (30%, 20% & 10%)
- Integrated SIM card
- IP65 rating
- Reports generation

Technical parameters

Physical size	83x64x46 mm
Communication protocol	RS485, Euridis, MBUS, Pulse output, Encoded Data Stream or proprietary serial wire protocols
Chipset Modem	Qualcomm MDM 9206: LTE Category: LTE Cat-M1/LTE Cat-NB1 Supported Cellular Technologies: LTE HD-FDD/ LTETDD/ E-GPRS
Power supply	Internal lithium battery
Working condition	from -20 °C to +60 °C, 10 to 90 % RH
IP rating	65
Data security	AES 128 Encryption
Frequency band	NB-IoT: B8(900MHz) and B20(800MHz) LoRaWAN: 863-870MHz, 433MHz
LTE Antenna	Internal (factory option SMA connector for external antenna)
SIM card	Standard 6 pin SIM card, or E-SIM, or Nano SIM
Approvals (NB-IoT Module)	(NB-IoT Module) CE/ GCF/ Vodafone/ UCRF/ ATEX/ (Europe) DoC (Russia) FCC/ PTCRB/ IC/ Rogers (North America) Anatel (Brazil) NCC (Taiwan) ICASA (South Africa)