

ULTRASONIC WATER METERS

32mm - 50mm



APPLICATION

The Ultrasonic meter range is designed for accurate measurement of cold and hot water consumption in households, apartment buildings, and commercial premises.

- Static method of water flow measurement, no moving parts.
- High accuracy calculation of water consumption.
- Eliminates measuring deviations caused by sand, suspended particles or airpockets.
- Long-term measurement stability and reliability.
- 9 digits, multi-line LCD. Total volume and instantaneous flow rate indication.
- Sensitive and accurate in low flows, down to 1 l/h.
- Ready for AMI/AMR with NFC, wM-Bus, LoRa and NB-IoT technologies.

TECHNICAL FEATURES

- Temperature Class T30/90.
- Wide measurement range – Conforming to SANS 1529-1:2019 Class C or Class D specifications.
- No straight sections required U0D0.
- Installation in any position – Horizontal or Vertical.
- No measurement of air.
- Environment class E2/1.
- Protection class IP68.
- Nominal pressure PN16 (PN25 for flange version).
- Internal datalogger.
- Maintenance free device, battery lifetime > 16 years.
- Bi-directional flow measurements.
- Flow direction indication.
- Meter parameter and archive reading via NFC or optical interface Durable composite body.
- Measurement units: m³ & m³/h.



AMR/AMI READY

- Wireless M-Bus 433 or 868 MHz OMS T1LoRaWAN (EU863-870, AS923,AU915-928, US902-928, IN865-867channel plans).
- NB-IoT (CoAP).
- NFC.

DATA REGISTRATION

- Total volume.
- Forward volume.
- Reverse volume.
- Maximum flow rate value and date.
- Minimum flow rate value and date.
- Operating time without an error.
- Total Operating time.
- Error code.
- Water temperature indication.

DATA LOGGER – HISTORY VALUES

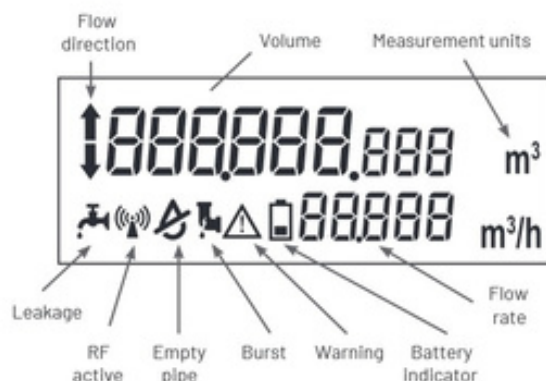
- Hourly, daily, monthly values of the measured parameters are stored in internal memory.

RADIO INTERFACE

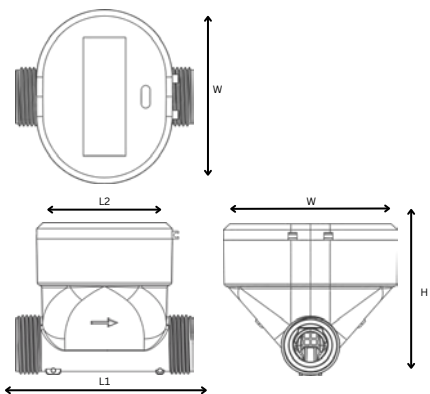
- Integrated radio communication allows data reading via Wireless M-Bus telegram: 433MHz or 868MHz OMS T1 mode, LoRaWAN, NB-IoT.

LCD INDICATORS & ALARMS

- Flow direction indication.
- Battery level indication.
- Leakage detection.
- Burst.
- Backflow.
- Empty pipe.
- Radio communication.
- Warning indication.
- Low-temperature warning.



DIMENSIONAL DIAGRAM



METER SIZE (mm)	32mm	40mm	50mm
Overload Flow Rate (Qs) m³/h ± 2%	7.2	12	24
Permanent Flow Rate (Qp) m³/h ± 2%	3.6	6	12
Transitional Flow Rate (Qt) l/h ± 2%	54	90	180
Minimum Flow Rate (Qmin) l/h ± 5%	36	60	72

BODY LENGTH (mm)			
Body length (mm)	260	300	255

DOMESTIC METERS • BULK METERS • METER BOXES • SMART METERING