

CubicMeter

Smart ultrasonic clamp-on water flow meter and leak detector. Multiple pipe support (plastic, copper) with the ability to measure water consumption and temperature. Simple and quick installation, without the need of a plumber.



DATASHEET

HARDWARE SPECIFICATIONS

Battery

3.6 VDC Li/SOCI2

Up to 10 years battery life

Non-replaceable

Weight

280 grams (excluding packaging)

Dimensions

Width 40 mm

Height 79 mm

Length 87 mm

CONNECTIVITY

LoRaWAN

EU868MHz (SF 12 for RX2), 1.0.2-revB, OTAA

Report interval: 1 hour*

Wireless M-bus

868MHz, C1, format A

ENVIRONMENT

5°C - 30°C, indoor usage (B, E1)

MEASUREMENT SPECIFICATIONS

Maximum flow rate

4 000 l/h

Flow rate accuracy

Copper pipes: max $\pm 10\%$ error

Plastic pipes: max $\pm 5\%$ error

Water temperature

0.1°C - 70°C (T70)

Water temperature accuracy

Max $\pm 2^\circ\text{C}$ error

Ambient temperature accuracy

Max $\pm 1.5^\circ\text{C}$ error

Sampling frequency

1 Hz

Small leak detection

$> 1\text{--}9\text{ l/h}^{**}$ over several days

Supported when using Quandify Platform

Medium leak detection

$> 10\text{ l/h}$ for at least 40 min

Large leak detection

$> 1500\text{ l/h}$ for at least 5 min

*Depending on data transmission frequency (configurable using downlinks).

**Depending on pipe type & diameter.