Electronic Domestic Water Meter WECOUNT-S

Inline 500

WECOUNT-S

The Electronic water meter of the WECOUNT-S product family is the latest generation of meters for municipal use as domestic water meters with LCD display, various radio types and an incomparably high measurement quality. The meter also impresses with an extremely low flow rate.

- Integrated radio, flexibly programmable (Walk-by/Drive-by)

- Radio types: OMS 868 MHz (T1, C1), LoRaWAN 868 MHz

- Longterm data logging (storage of 1 due date value and 15 monthly values)

- Battery monitoring, Battery life up to 16 years

- Backflow and manipulation detection as well as notifications for leakage and pipe burst

- Configuration through NFC interface and Android app

- Starting flow rate from 1 l/h

- Length 105 mm and 190 mm

- Temperature range up to 30 °C (cold)

- Nominal flow Q_3 4 in m³/h

- MID measurement accuracy class (Q_3/Q_1) up to R500 horizontal and R315 vertical (standard R160H/V)

- Protection code IP68 – Suitable for all types of installation (except for pit installation)

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REMOTE READING OPTIONS

Radio according to EN13757-4, wMBus/OMS
(Open Metering System) Generation 4,
Frequency 868 MHz, T1- or C1-Mode,
Security Profile A or B,
128-Bit AES encryption mode 5 or 7,
Radio power 14dBm

Optional: LoRaWAN, Frequency 868 MHz,
Join procedure through OTAA

Radio parameters individually configurable via
NFC interface and Android app

AMR – (Automatic Meter Reading)

Gateway, Repeater and web portal available
for transmitting data

Walk-by / Drive-by

Recording and storage of consumption data inside the
radio module

Reading out of stored data via mobile radio device and
own radio readout app „M-Fair Connect mobile"

The WECOUNT-S product family

Intelligent residential and domestic water meters
based on the same state-of-the-art electronic totalizer
which can be programmed according to customer
specifications. Standard for all meters:

- Integrated radio
- Easy to read digital LCD display with clear
  and informative presentation
- Operable with the same soft- and hardware components
- Data logger for 1 daily value,
  15 monthly values,
  notifications for leakage and other incidents
- Common battery concept
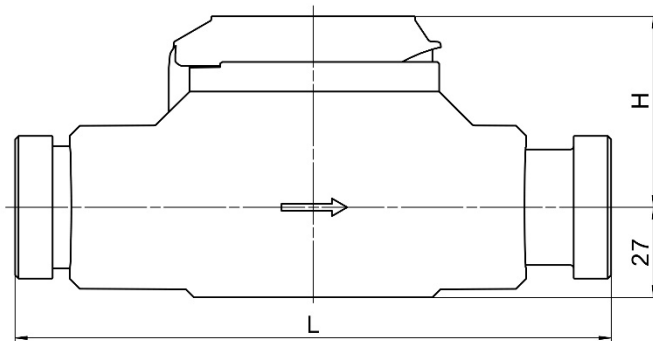 (up to 7 ,13 or 16 years battery life)

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TECHNICAL DATA

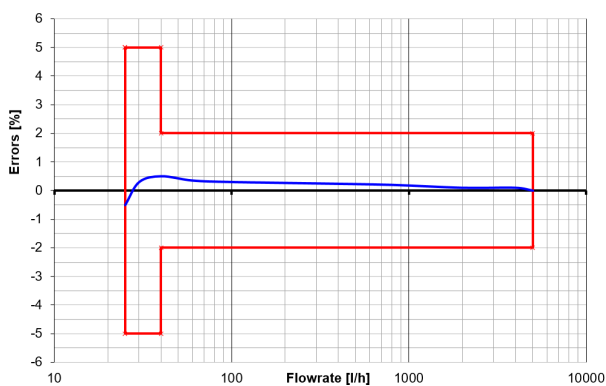### Model

ETK-EAM = cold water from 0,1 °C up to 30 °C

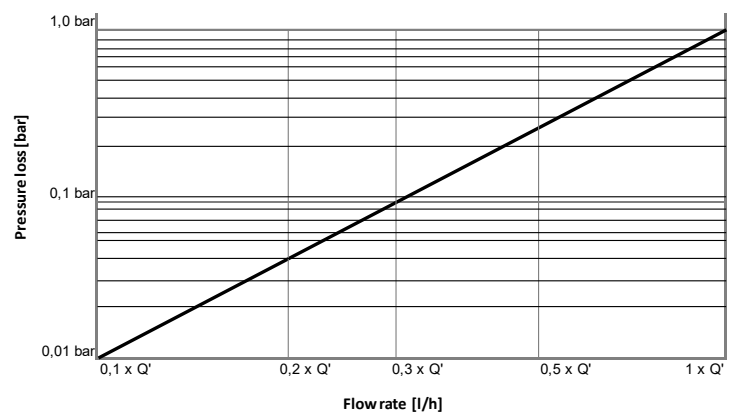| Installation position	Length L in mm	Height H in mm (ca.)	Nominal flow Q3 in m^3/h	Nominal width DN in mm	Thread in inch	Starting flow* in l/h	Flow rate Q' at 1 bar pressure loss in l/h (ca.)	Weight in kg (ca.)
horizontal	190	56	4	20	G 1 B	1-2	5100	0,8
ascending	105	52						0,5

*typical values in horizontal installation position

The meter does not require any upstream or downstream straight length (U0/D0).

Typical error curve Q_3 4 R160H

Typical pressure loss graph

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APPROVALS / CERTIFICATES / STANDARDS

- EU- Type Examination Certificate according to 2014/32/EU (MID)
- EU- Type Examination Certificate according to 2014/53/EU (RED)
- EU- Type Examination Certificate according to 2011/65/EU (RoHS)
- OIML R49
- EN 14154
- KTW-BWGL / W270 (D)
- OMS compliance