

Inline 500

- 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 IP65

Electronic Domestic Water Meter WECOUNT-S

Inline 500

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)



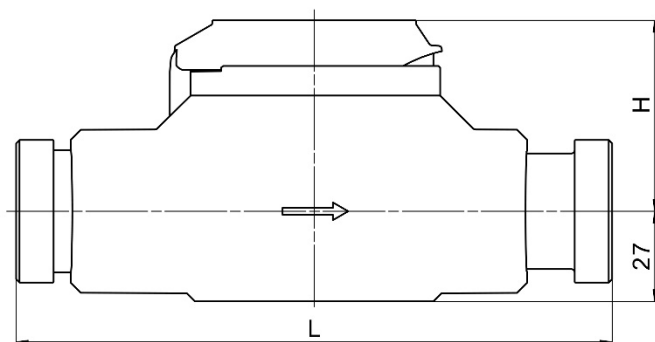
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TECHNICAL DATA

Model

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

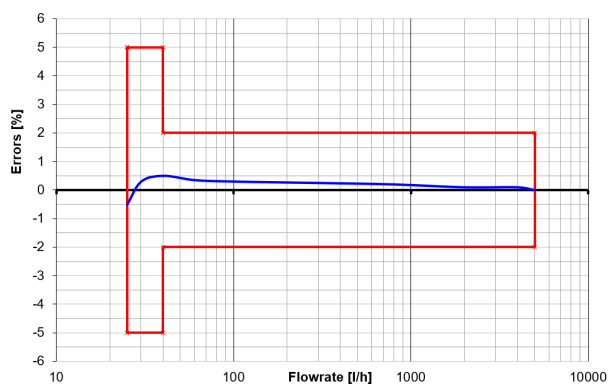


Installation position	Length L in mm	Height H in mm (ca.)	Nominal flow Q ₃ in m ³ /h	Nominal width DN in mm	Thread in inch	Starting flow* in l/h	Flow rate Q' at 1 bar pressure loss in l/h (ca.)	Weight in kg (ca.)
horizontal	190	56	4	20	G 1 B	1-2	5100	0,8
ascending	105	52						0,5

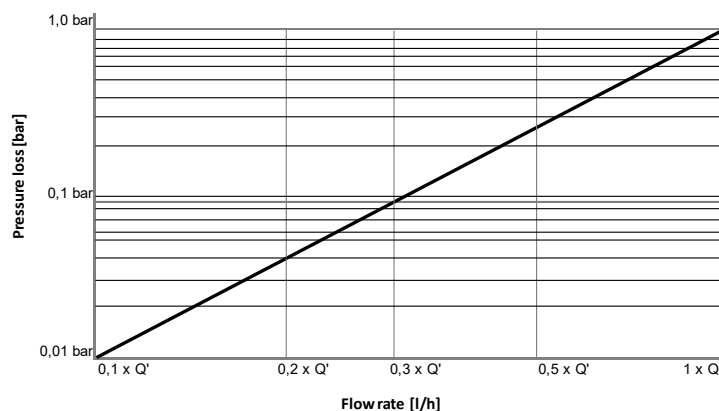
*typical values in horizontal installation position

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

Typical error curve Q₃ 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