

Single-Jet Dry Meter WECOUNT-S

ETK-EAM, ETW-EAM

WECOUNT-S



The Electronic Water Meter of the WECOUNT-S product family is the latest generation of meters with LCD display, various radio types and an incomparably high measuring accuracy. The meter also impresses with an extremely low starting 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 80 mm up to 190 mm
- Temperature range up to 50 °C (cold) and up to 90 °C (warm)
- Nominal flow Q_3 2,5 in m^3/h up to Q_3 4 in m^3/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)



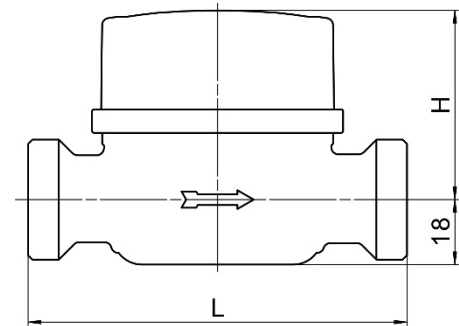
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TECHNICAL DATA

Model

ETK-EAM = Cold water from 0,1 °C up to 50 °C
 ETW-EAM = Warm water from 0,1 °C up to 90 °C

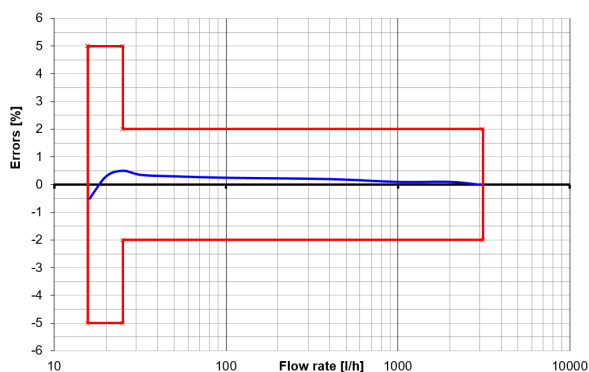


Installation position	Length* L in mm	Height H in mm (ca.)	Nominal flow Q3 in m ³ /h	Nominal width DN in mm	Thread in inch	Starting flow** in l/h	Flowrate Q' at 1 bar pressure loss in l/h (ca.)	Weight in kg (ca.)
horizontal	80	53	2,5	15	G ¾ B	1-2	3300	0,4
	105		4	20	G 1 B		5100	0,5
	110		2,5	15	G ¾ B		3300	0,4
	115		2,5	13	G 7/8 - ¾ B		3300	0,4
	115		2,5	15	G ¾ B		3300	0,4
	115		4	20	G 1 B		5100	0,5
	130		2,5	15	G ¾ B		3300	0,5
	130		2,5	20	G 1 B		3300	0,5
	130		4	20	G 1 B		5100	0,5
	165		2,5	15	G ¾ B		3300	0,7
	190	56	4	20	G 1 B		5100	0,8

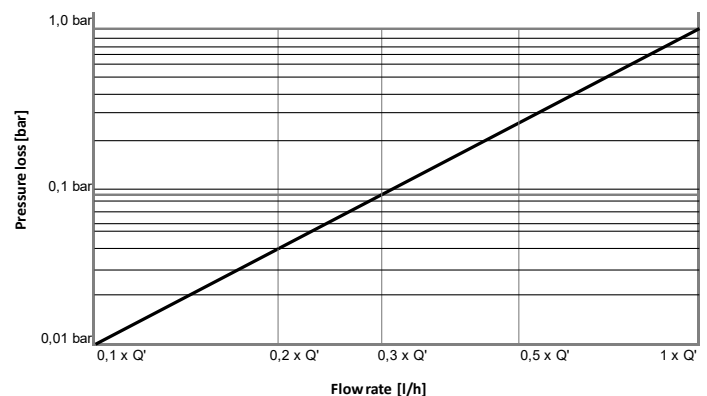
* Additional lengths available on request ** typical values in horizontal installation position

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

Typical error curve Q₃ 2,5 R160H



Typical pressure loss graph



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APPROVALS / CERTIFICATES / STANDARDS

- EU-Type Examination Certificate according to 2014/32/EZ (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)
- ÖNORM B5014 (AT)
- ACS (FR)
- OMS compliance

ADDITIONAL OPTIONS

- Protection cover in blue (cold water) or red (warm water) → Fig. ①
- Individual labelling of totalizer and/or protection cover (on customer request)



Fig. ①