Single-Jet Dry Meter WECOUNT

ETK-EAM, ETW-EAM

WECOUNT

The Electronic Water Meter of the WECOUNT product family is the newest Single-Jet Meter generation with integrated OMS radio. The meter impresses with incomparably high measuring accuracy and extremely low starting flow rate.

- Integrated radio, flexibly programmable (Walk-by/Drive-by)
- For direct integration into OMS compliant AMR remote readout systems (T1-Mode, C1-Mode)
- Longterm data logging (storage of 1 due date value, 15 monthly values and 480 daily values)
- Battery monitoring, Battery life up to 16 years
- Backflow and manipulation detection as well as notifications for leakage and pipe burst
- Inductive device interface for parameterization
- Starting flow rate from 1 l/h
- Temperature range up to 50 °C (cold) and up to 90 °C (warm)
- Nominal flow Q_3 2,5 up to Q_3 4, Nominal size DN15 up to DN20, Length 80 mm up to 165 mm
- MID measurement accuracy class (Q_3/Q_1) up to R500 horizontal and R315 vertical (standard R160H/V)
- Protection class IP68

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REMOTE READING OPTIONS

Radio frequency 868 MHz wMBus according to EN13757-4, OMS compliance (**O**pen **M**etering **S**ystem, Generation 4)

Radio telegrams possible either in C1- or T1- mode, with 128-Bit AES encryption (Security Profile A, Mode 5), Radio power 14dBm

Radio parameters individually adjustable via inductive communication head and the free app “µline config“ from the Microsoft online store

AMR – (Automatic Meter Reading)

Gateway, Repeater and web portal available for providing 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 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 OMS-compliant radio
- Easy to read digital LCD display with clear and informative presentation
- Operable with the same soft- and hardware components
- Data logger for 480 daily values, 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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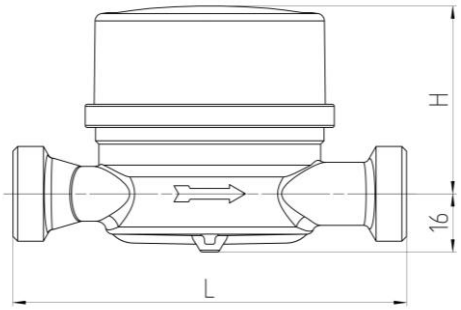
TECHNICAL DATA

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

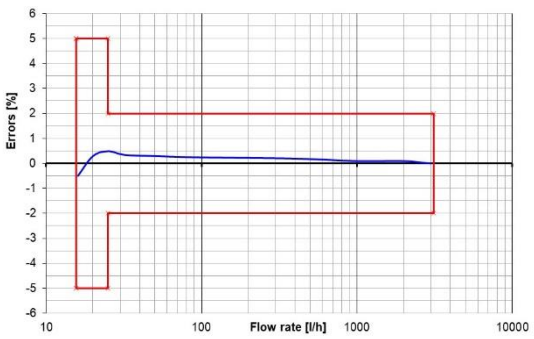


Installation position	Length* L in mm	Height H in mm (ca.)	Nominal flow Q3 in m3/h	Nominal width DN in mm	Thread in inch	Starting flow** in l/h	Flow rate Q‘ at 1 bar pressure loss in l/h (ca.)	Weight in kg (ca.)
horizontal	80	52	**2,5**	15	G ¾ B	1-2	3300	0,4
	110	52	**2,5**	15	G ¾ B	1-2	3300	0,4
	115	52	**2,5**	13	G $^{7}/_{8}$ - $^{3}/_{4}$ B	1-2	3300	0,4
	115	52	**2,5**	15	G ¾ B	1-2	3300	0,4
	115	52	**4**	20	G 1 B	1-2	5100	0,5
	130	52	**2,5**	15	G ¾ B	1-2	3300	0,5
	130	52	**2,5**	20	G 1 B	1-2	3300	0,5
	130	52	**4**	20	G 1 B	1-2	5100	0,5
	165	52	**2,5**	15	G ¾ B	1-2	3300	0,7

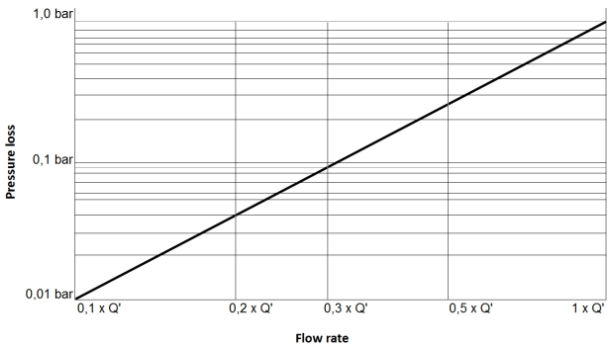
* Additional lengths available on request ** typical values in horizontal installation position

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

Typical error curve Q_3 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 / W270 (D)
- 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

Data sheet ET-EAM, 2021-01-08-1/MEV – Technical changes reserved

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