

Single-Jet Dry Meter Composite WECOUNT-S/ Superaqua 1

ETK-EAM, ETW-EAM

WECOUNT-S



The electronic water meter, made of high-quality and durable plastic, is part of the WECOUNT-S family. It belongs to the latest generation of meters, featuring a digital LCD display, various wireless communication options, and unparalleled measurement accuracy. The meter also stands out for its extremely low starting flow rate and lightweight design.

- Enhanced sustainability and resource efficiency enabled by a more energy-efficient manufacturing process and the use of fully recyclable plastic
- 100% leadfree Composite body
- Easier handling and transport due to lower weight (224 grams instead of 439 grams)
- Integrated wireless communication, flexibly programmable (walk-by/drive-by)
- Wireless standards: OMS 868 MHz (T1, C1), LoRaWAN 868 MHz
- Long-term memory (1 snapshot value, 15 monthly values)
- Battery monitoring with a battery life of up to 16 years
- Backflow and tamper detection, as well as leakage and pipe burst detection
- Configuration via NFC interface and Android app
- Starting flow rate from 1 l/h
- Maximum pressure load (nominal pressure) of 10 bar
- Temperature range: up to 50 °C (cold) and up to 90 °C (hot)
- Approved with a MID measurement range class (Q3/Q1) of R500 horizontal and R315 vertical
- Manufactured with a standard MID measurement range class of R160H/V
- Protection class IP68 – suitable for all installation types (except underground shaft-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
- Sontex Radio 433MHz

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)



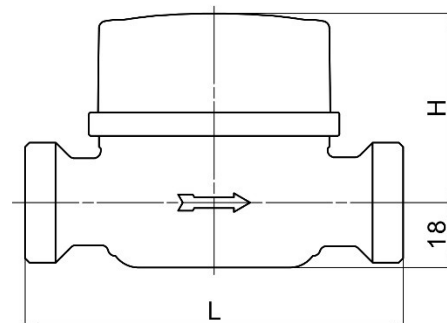
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TECHNICAL DATA

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

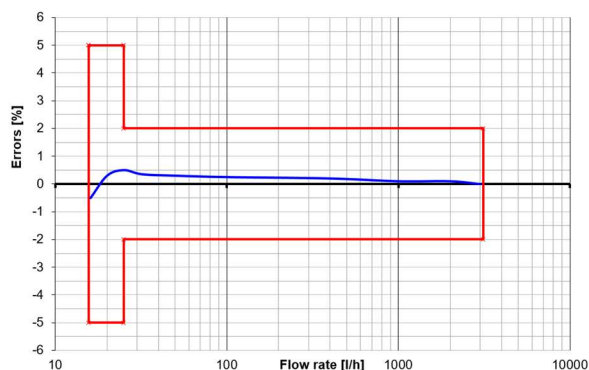


Installation position	Length L in mm	Height H in mm (ca.)	Nominal flow Q ₃ in m ³ /h	Nominal width DN in mm	Thread in inch	Starting flow* in l/h	Flow rate Q' at 1 bar pressure loss in l/h (ca.)	Weight in kg (ca.)
horizontal	110	53	2,5	15	G ¾ B	1-2	3300	0,2

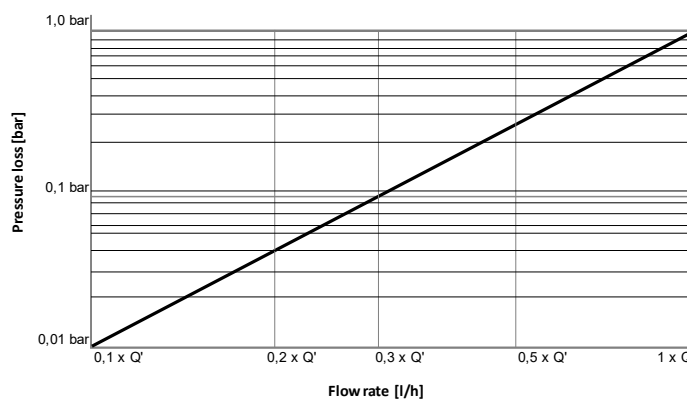
* typical values in horizontal installation position

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

Typical error curve Q₃ 2,5 R160H



Typical pressure loss graph



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)
- OMS compliance

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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