MK-EAM Elektronisk

Hot and cold water meter with wireless wM-Bus or LoRaWAN



Application

The hot water meter (MK-EAM-ETW) and cold water meter (MK-EAM-ETK) is an electronic single-jet water meter well suited for measuring small water consumption, from apartments and terraced houses to larger loads such as smaller apartment blocks or industrial properties.

The meter is supplied with wireless communication, either wM-Bus OMS T1 or LoRaWAN, and is available with flow range Q3 2.5 or Q3 4.0 m³/h. It is MID type-approved as a billing meter (R=160 H/V, optionally R=500 H / R=315 V) and can be mounted both horizontally and vertically. In addition to the current meter reading, the communication protocol also carries alarms for leakage, backflow and pipe burst.

Features and benefits

- Very accurate flow meter with a wide measuring range
- MID type-approved R160 as standard, R=500 as an option
- Starting flow 1 l/h
- Fully position-independent installation
- Battery powered with up to 16 years service life
- Protection class IP68
- Communication protocol with alarms for leakage, backflow and pipe burst

Technical specification

Flow range	Q3 2.5 or 4.0 m³/h (MID R=160 H/V)
Q4 (max)	3.0 / 5.0 m³/h
Q1 (min)	15.6 / 25 l/h
Starting flow	1 l/h (H) / 2 l/h (V)
Connection (DN)	DN15 (R20) and DN20 (R25)
Length	80, 110, 130 or 165 mm (DN15), 105/130 mm (DN20)
Media temperature	Cold water max 50 °C, hot water max 90 °C
Pressure rating	PN16
Protection class	IP68
Type approval	MID R=160 H/V (option R=500 H / R=315 V)

Battery life	Up to 16 years

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Communication

wM-Bus module IWM-TX3 (EN 13757-4 OMS, T1, 868 MHz) or LoRaWAN module IWM-LR3 (868 MHz).