# MK-EAM-S Elektronisk

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



## Application

The hot water meter (MK-EAM-ETW-S) and cold water meter (MK-EAM-ETK-S) is an electronic single-jet water meter well suited for measuring small water consumption, from houses 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, with flow range Q3 4.0 m³/h in a 190 mm length. 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. 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 4.0 m³/h (MID R=160 H/V) |
| **Q4 (max)** | 5.0 m³/h |
| **Q1 (min)** | 25 l/h |
| **Starting flow** | 1 l/h (H) / 2 l/h (V) |
| **Connection (DN)** | DN20 |
| **Length** | 190 mm |
| **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 |

**Mätarkontroll i Stockholm AB** · Skarpnäcks Gårdsväg 4B, 128 31 Skarpnäck, Sweden · reg.no 556384-9149 · 08-644 68 70 · info@matarkontroll.se · matarkontroll.se

## Communication

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