

Smart Wireless Water Meter (LoRaWAN / GSM)

Model: MAI2026-WM

Product Overview

The **Smart Wireless Water Meter** is a high-precision, IP68-rated metering solution designed for **remote water monitoring and management** in residential, commercial, and industrial applications. Equipped with **LoRaWAN / GSM communication**, it enables real-time data transmission, remote control, and intelligent analytics integration.

This device ensures **accurate consumption measurement**, **low power operation**, and **long-term durability**, making it ideal for smart city and IoT deployments.

Key Features

- **Wireless Communication:** LoRaWAN / GSM / NB-IoT (optional)
- **High Accuracy Measurement** (ISO 4064 Class B)
- **Ultra-Low Power Consumption** (Battery-operated)
- **IP68 Protection** (Fully waterproof & dustproof)
- **Remote Monitoring & Control**
- **Real-time Data Transmission**
- **Multiple Output Options:** Pulse / 4–20mA / Frequency
- **Flexible Installation:** Threaded & Flanged connections
- **Robust Construction** (Brass + Engineering Plastic)

Technical Specifications

General Parameters

Parameter	Specification
Type	Multi-Jet Water Meter
Dial Type	Wet / Dry Dial
Standard	ISO 4064 Class B
Protection Class	IP68
Warranty	1 Year

Mechanical Specifications

Parameter	Specification
Size Range	DN15 – DN300
Measurement Range	DN15–300
Flow Rate	Up to 2.5 m³/h (model dependent)
Connection Type	Threaded / Flanged
Material (Body)	Brass
Housing Material	Engineering Plastic
Color	White or Customized

Electrical & Output

Parameter	Specification
Signal Output	4–20 mA / Pulse / 0Hz–5kHz
Power Supply	Internal Lithium Battery
Battery Life	5–10 Years (depending on transmission interval)

Communication Options

Technology	Description
LoRaWAN	Long-range, low-power communication
GSM / GPRS	Cellular-based remote connectivity
NB-IoT	Low-power wide-area cellular option
Modbus (Optional)	Wired integration with BMS/SCADA

Smart Features

- Remote meter reading (AMR/AMI)
 - Leak detection & abnormal usage alerts
 - Tamper detection
 - Scheduled data reporting
 - Cloud platform integration
 - Mobile & web dashboard compatibility
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Applications

- Smart Cities & Utilities
- Residential Water Monitoring
- Commercial Buildings
- Industrial Water Management
- Irrigation Systems
- District Metering Areas (DMA)

Environmental Conditions

Parameter	Specification
Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 60°C
Humidity	≤95% RH

Certifications

- CE Certified
 - ISO Compliant
 - RoHS (Optional)
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Ordering Information

Model	Description
MAI2026-WM-L	LoRaWAN Smart Water Meter
MAI2026-WM-G	GSM/GPRS Smart Water Meter
MAI2026-WM-NB	NB-IoT Smart Water Meter