

Battery-Powered Electromagnetic Flow Meter

This electromagnetic flow meter is designed for accurate flow measurement in various industrial applications. Powered by a 3.6V lithium battery, it offers continuous operation for 5-10 years and features easily replaceable batteries.



Product Overview

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This electromagnetic flow meter is engineered specifically for the water industry, providing reliable measurement in locations without external power supplies. Utilizing a high-performance lithium battery system and 16-bit processor, it ensures accurate bi-directional flow measurement for urban water supply, sewage treatment, and water conservancy. The device features self-diagnosis, alarm functions, and remote wireless data transmission capabilities for efficient site management.

Measurement Capabilities

Accuracy

±0.5% • ±1.0%

Measuring Range

12 m/s

Minimum Conductivity

20 μ S/cm

Physical Specifications

Diameter Range

DN10-DN1200, DN150-DN3000

Pressure Rating

0.6–4.0 MPa

Ingress Protection

IP68

Materials

Electrode Materials

316L Stainless Steel, HC, HB, Titanium, Tantalum, Platinum/Iridium Alloy

Lining Materials

Poly chloroprene rubber, Polyurethane rubber, PTFE, F46, PFA

Power and Environment

Battery Life

5 Years

Continuous Operation

Medium Temperature

-10°C to 100°C

Ambient Temperature

-10°C to 60°C

Connectivity and Output

Communication

- GSM Wireless Data Transmission
- GPRS Remote Management
- Passive Output Optocoupler (Pulse)