



JiuYuHub

Fluid Control Instrument Series



Battery-Powered Electromagnetic Water Meter

SEB600S

Product Technical Specification | July 2026

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Product Overview

The SEB600S battery-powered electromagnetic water meter features Class 1/2 accuracy, R400 turndown ratio, 25-1200mm. Built-in lithium battery with 6-year life, IP68 fully sealed, tamper-proof design, optional integrated pressure sensor. RS-485/MODBUS/GPRS/NB-IoT wireless. Zero straight-run installation maintains Class 2 accuracy. Ideal for DMA metering and bulk billing.

- 6-Year Battery
- IP68
- R400 Turndown
- Tamper-Proof
- NB-IoT/GPRS

Key Features



6-Year Battery Life

Built-in lithium battery, no wiring, minimal site work.



R400 Ultra-Wide Turndown

Class 2 R400/R250/R160; Class 1 R250/R160.



IP68 Fully Sealed

Whole unit IP68 for long-term submerged operation.



Tamper-Proof

No removable parts on surface, anti-theft design.



NB-IoT/GPRS Wireless

Remote data reading with cloud platform.



Multi-Alarm

Over-limit/sudden change/reverse flow/low battery/empty pipe/excitation.

Technical Specifications

Parameter	Specification
Model	SEB600S/SEB600
Principle	Faraday electromagnetic induction
Media	Conductive (>20 uS/cm)
Accuracy	Cl1/Cl2/±0.5%(mag)
Turndown	R400/R250/R160
Size	25-1200 mm
Start Flow	<=5 mm/s
Pressure	1.6/1.0 MPa
Temp. Class	T50 (65C)
EMC Class	E2
Climate	C
Electrode	316L/Hastelloy C
Liner	Rubber
Electrodes	4
Tube	304 SS
Flange	CS/SS

Mounting	Flanged
Protection	IP68
Power	Lithium / Li+220V / Li+24V / Li+Solar
Output	RS485(Modbus)/GPRS/NB-IoT
Construction	Compact / Remote
Pressure	Optional
Maintenance	6-year battery replacement; no moving parts

Typical Applications

- ▶ DMA water network metering
- ▶ Bulk billing water meter
- ▶ Community inflow monitoring
- ▶ Municipal leakage monitoring
- ▶ Irrigation water metering

Ordering Guide

Product Code	Description
SEB600S	Flanged sensor + built-in battery transmitter

Accessories/Consumables

Accessory	Specification	Note
Mating Flange	CS/SS	Standard
GPRS/NB-IoT Module	Built-in	Standard
Pressure Sensor	Optional	Optional

Why Choose Jiuyuhub

 App-First Matching Recommendations based on your conditions.	 SE Asia Adapted Optimized for tropical environments.
 One-Stop Supply Water + fluid control + flow measurement.	 24-Hour Response Fast response to inquiries.

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