



Fluid Control Instrument Series



Smart Electromagnetic Flowmeter

SE10A

Product Technical Specification | July 2026

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Product Overview

The SE10A smart electromagnetic flowmeter offers $\pm 0.5\%$ accuracy, size 10-300mm, 24VDC powered, compact design. Four-electrode structure (measurement+ground), flange mounting, IP65/67/68, 4-20mA/Bluetooth/HART/Modbus. Ideal for water, wastewater, chemical, and beverage flow measurement.

- $\pm 0.5\%$
- 10-300mm
- 24VDC
- Bluetooth
- 4-Electrode

Key Features



Cost-Effective Smart
 $\pm 0.5\%$ accuracy, 24V LP, compact design.



Bluetooth+4-20mA
Bluetooth APP setup + 4-20mA output for easy field commissioning.



IP65/67/68
Standard IP65; optional IP67/IP68 submersible.



4-Electrode Design
Built-in measurement + ground electrodes, no ground ring needed.



Self-Protection
Password lock / power-fail protection / low-flow cut-off / self-diagnostics.



32-bit MCU
High-speed processing, average flow auto-calculation.

Technical Specifications

Parameter	Specification
Model	SE10A
Principle	Faraday electromagnetic induction
Media	Conductive liquids
Accuracy	$\pm 0.5\%$
Repeatability	0.16%
Size Range	10-300 mm
Conductivity	$\geq 5 \text{ uS/cm}$ (> 20 for softened)
Fluid Temp.	-25-180C
Pressure	1.0/1.6/2.5/4.0 MPa / Class150/300
Flow Velocity	0.5-10 m/s
Direction	Bi-directional
Electrode	316L/Hastelloy B/C
Liner	Neoprene/PTFE/F46
Electrodes	4
Tube	304 SS
Mounting	Flanged
Protection	IP65/67/68
Power	24VDC

Output	4-20mA/Bluetooth
Comm.	HART/Modbus
Hazardous	Non-Ex/Ex-d
Construction	Compact
Straight Run	5D up, 3D down
Maintenance	No moving parts; long-life electrodes; sealed junction box

Typical Applications

- ▶ Small/medium pipe flow metering
- ▶ Water plant outflow monitoring
- ▶ Chemical & pharma online flow
- ▶ Food & beverage flow
- ▶ Building automation & energy

Ordering Guide

Product Code	Description
SE10A	Flanged sensor + compact transmitter

Accessories/Consumables

Accessory	Specification	Note
Mating Flange	CS/SS	Standard
Bolts	—	Standard

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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