



JiuYuHub

Fluid Control Instrument Series



Electromagnetic Flowmeter

SE11E

Product Technical Specification | July 2026

Nanjing Jiuyuhui Environmental Technology Co., Ltd.
www.jiuyuhub.com

Product Overview

The SE11E electromagnetic flowmeter operates on Faraday's law of electromagnetic induction. Size range 3-2000mm, accuracy +/-0.2%/0.3%/0.5%, measures media as low as 1 uS/cm. Four-electrode design, OLED display, IP65/67/68, 4-20mA/frequency/pulse + HART/Modbus/Profibus, 13 built-in self-diagnostics, EEPROM power-failure protection. Widely used for conductive liquid flow measurement in water, wastewater, chemical, food & beverage industries.

- Electromagnetic
- +/-0.2% Acc.
- 3-2000mm
- 1uS/cm
- 13 Self-Diag

Key Features



Wide Range High Accuracy

3-2000mm, +/-0.2%-0.5%, low conductivity capability.



Over-Sampling Fast Response

Advanced oversampling + hybrid excitation for slurry/pulp media.



IP65/67/68

Standard IP65; IP67/IP68 for submerged installation.



Multi-Protocol

4-20mA/frequency/pulse + HART/Modbus/Profibus.



13 Self-Diagnostics

Excitation, empty pipe, electrode, coil, zero, gas, conductivity, accuracy etc.



Power-Fail Protection

EEPROM preserves parameters and totals on power loss.

Technical Specifications

Parameter	Specification
Model	SE11E
Principle	Faraday electromagnetic induction
Media	Conductive liquids
Accuracy	+/-0.2%/0.3%/0.5%
Repeatability	0.1%-0.16%
Size Range	3-2000 mm
Conductivity	>=1 uS/cm
Fluid Temp.	-25-200C
Pressure	0.6-10.0 MPa / Class150-2500
Flow Velocity	0.3-10 m/s
Flow Direction	Bi-directional
Electrode Material	316L/Hastelloy B/C/Ti/Ta/Pt-Ir/WC
Liner	Neoprene/PTFE/F46/PFA
Electrodes	4-electrode
Tube	304 SS
Mounting	Flanged (compact/remote)
Protection	IP65/67/68

Power	220VAC/24VDC
Output	4-20mA/frequency/pulse
Comm.	HART/Modbus/Profibus
Straight Run	5D upstream, 3D downstream
Hazardous Area	Non-Ex/Ex-d
Detection Limit	N/A (flowmeter)
Maintenance	No moving parts, essentially maintenance-free

Typical Applications

- ▶ Water plant flow metering
- ▶ WWTP flow monitoring
- ▶ Chemical acid/solvent flow
- ▶ Food/beverage sanitary flow
- ▶ Industrial cooling water flow

Ordering Guide

Product Code	Description
SE11E	Flanged sensor + transmitter (compact/remote)

Accessories/Consumables

Accessory	Specification	Note
Flange Kit	CS/SS	Standard
Hardware	Ground/fasteners	Standard

Why Choose Jiuyuhub

 Application-First Matching Recommendations based on operating conditions.	 Southeast Asia Adapted Optimized for tropical environments.
 One-Stop Supply Water quality, fluid control, flow measurement.	 24-Hour Response Fast response to inquiries.

This product is supplied and serviced locally by Jiuyuhub. Product images are for illustrative purposes only.