



JiuYuHub

Fluid Control Instrument Series



High Abrasion-Resistant Electromagnetic Flowmeter

SE11H

Product Technical Specification | July 2026

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Product Overview

The SE11H high abrasion-resistant electromagnetic flowmeter features $\pm 0.2\%/0.3\%/0.5\%$ accuracy, 3-2000mm range, tungsten carbide electrodes with hybrid excitation technology for coal slurry, pulp, and mining slurry. OLED display, 4-electrode, IP65/67/68, 4-20mA/HART/Modbus/Profibus.

- $\pm 0.2\%$
- Tungsten Carbide
- 3-2000mm
- OLED
- Abrasion-Resistant

Key Features



Tungsten Carbide Electrode

Ultra-hard tungsten carbide for excellent abrasion resistance.



Hybrid Excitation

For coal slurry/pulp/mining slurry with high solids content.



Full Protocol

4-20mA+HART+Modbus+Profibus all supported.



IP65/67/68

Standard IP65; optional submersible.



4-Electrode

Built-in measurement + ground, no ground ring needed.



OLED Display

All-day clear display, friendly HMI.

Technical Specifications

Parameter	Specification
Model	SE11H
Principle	Faraday electromagnetic induction
Media	Conductive liquids
Accuracy	$\pm 0.2\%/\pm 0.3\%/\pm 0.5\%$
Repeatability	0.1%/0.16%
Size	3-2000 mm
Conductivity	$\geq 1 \text{ uS/cm}$
Fluid Temp.	-25-200C
Pressure	0.6-4.0 MPa / Other
Flow Velocity	0.5-10 m/s
Direction	Bi-directional
Electrode	316L/Hastelloy B/C/Ti/Ta/PtIr/WC
Liner	Neoprene/PTFE/F46/PFA
Electrodes	4
Tube	304 SS
Mounting	Flanged
Protection	IP65/67/68
Power	220VAC/24VDC

Output	4-20mA/Freq./Pulse
Comm.	HART/Modbus/Profibus
Hazardous	Non-Ex/Ex-d
Construction	Compact / Remote
Straight Run	5D up, 3D down
Maintenance	No moving parts; ultra-long WC electrode life

Typical Applications

- ▶ Coal water slurry pipeline metering
- ▶ Pulp & paper slurry flow
- ▶ Mining/mineral slurry
- ▶ Chemical high-solid slurry
- ▶ Metallurgy waste slurry

Ordering Guide

Product Code	Description
SE11H	Flanged sensor + transmitter (compact/remote)

Accessories/Consumables

Accessory	Specification	Note
Mating Flange	CS/SS	Standard
Ground Ring	—	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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