



JiYuHub

Fluid Control Instrument Series



Insertion Electromagnetic Flowmeter

SE15

Product Technical Specification | July 2026

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Product Overview

The SE15 insertion electromagnetic flowmeter offers $\pm 1.5\%$ accuracy, 200-4000mm range. Hot-tap design enables installation/removal without flow interruption. 316L/Hastelloy-C electrodes, PTFE liner, IP65/67/68, 220VAC/24VDC or battery power. Ideal for large pipe flow measurement.

- $\pm 1.5\%$
- 200-4000mm
- Hot-Tap
- Battery Option
- Large Pipe

Key Features



Hot-Tap Type

Install/remove without flow interruption, easy maintenance.



200-4000mm Large Pipe

Suitable for large pipes, unaffected by pipe material.



IP65/67/68

Standard IP65; optional submersible.



Battery Option

AC or battery power for remote field installations.



Full Protocol

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



Scale Marking

Rod markings for insertion depth adjustment to pipe size.

Technical Specifications

Parameter	Specification
Model	SE15
Principle	Faraday electromagnetic induction
Media	Conductive liquids
Accuracy	$\pm 1.5\%$
Repeatability	0.5%
Size	200-4000 mm
Conductivity	$\geq 5 \text{ uS/cm}$ (>20 for softened)
Fluid Temp.	-40-120C
Pressure	1.6 MPa
Flow Velocity	0.5-6 m/s
Direction	Bi-directional
Electrode	316L/Hastelloy C
Liner	PTFE
Electrode Type	Standard / Scraper
Electrodes	2
Rod	304 SS
Connection	SS
Mounting	Flange / Hot-Tap

Protection	IP65/67/68
Power	220VAC/24VDC/Lithium Battery
Output	4-20mA/Freq./Pulse
Comm.	HART/Modbus/Profibus
Hazardous	Non-Ex/Ex-d
Construction	Compact / Remote
Straight Run	5D up, 3D down
Maintenance	Hot-tap type; maintenance without flow interruption

Typical Applications

- ▶ Water plant large pipe flow
- ▶ Municipal trunk main flow
- ▶ WWTP large pipe flow
- ▶ Industrial cooling water large pipe
- ▶ Water conservancy channel/pipe flow

Ordering Guide

Product Code	Description
SE15	Insertion sensor + transmitter (compact/remote)

Accessories/Consumables

Accessory	Specification	Note
Ball Valve Kit	—	For hot-tap
Mounting Base	SS	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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