

WATER QUALITY MONITORING / DATA SHEET

SS301-100

Industrial EC Electrode

A replaceable EC electrode for continuous conductivity monitoring. Stainless-steel and plastic constructions are available with K=1 or K=10 electrode constants, and can be paired with a compatible EC transmitter for automatic temperature compensation, salinity and TDS conversion.

Overview

- Conductivity ranges from 1-2000 μ S/cm (K=1) or 10-20000 μ S/cm (K=10).
- Stainless-steel and plastic electrode bodies support different installation needs.
- NPT 3/4 threaded interfaces support submerged and pipe installations.
- Designed for water-quality, aquaculture, wastewater and process-water monitoring.



Measured EC	Constants K=1 / K=10	Materials SUS / Plastic	Connection NPT 3/4
Key Functions • Automatic temperature compensation when used with a compatible EC transmitter. • Conductivity, salinity, TDS and temperature monitoring through the transmitter system. • Two electrode constants and two body materials for application-specific selection.		Applications • Surface-water and municipal-water monitoring. • Aquaculture and agricultural water management. • Wastewater treatment and environmental protection. • Pharmaceutical, food and process-water control.	

SYSTEM DATA

Technical Specifications

Item	Specification
Measured parameter	Conductivity (EC); salinity, TDS and temperature available through a compatible transmitter
Conductivity range	K=1: 1-2000 μ S/cm; K=10: 10-20000 μ S/cm
Electrode materials	Stainless steel or plastic body
Electrode constants	K=1 or K=10

SELECTION

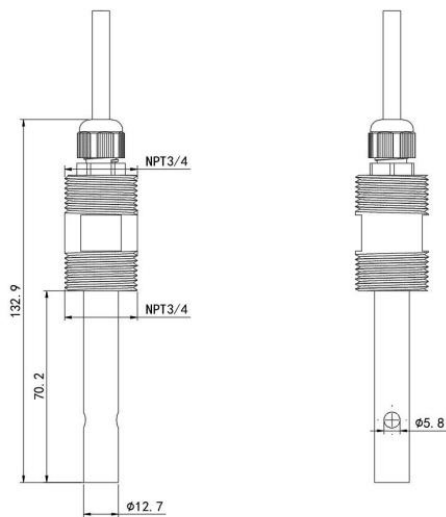
Product Selection

Base code: SS301-100 / EC- / SEN-. Select the electrode body and constant from the options below.

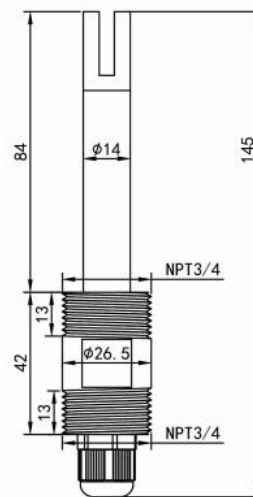
Option code	Electrode body	Constant / range
SUS01	Stainless steel electrode	K=1; 1-2000 μ S/cm
SUS10	Stainless steel electrode	K=10; 10-20000 μ S/cm
EP01	Plastic electrode	K=1; 1-2000 μ S/cm
EP10	Plastic electrode	K=10; 10-20000 μ S/cm

HARDWARE

Electrode Dimensions



Stainless steel | 132.9 mm overall | 70.2 mm sensing | Ø12.7 mm | Ø5.8 mm opening



Plastic | 145 mm overall | 84 mm sensing | Ø14 mm | Ø26.5 mm threaded body

INSTALLATION

Installation Guidance

Installation	Guidance
Submerged	Use a waterproof tube; seal the NPT 3/4 connection and keep the connector dry.
In-line / Pipe	Connect the NPT 3/4 thread to a stable-flow pipe fitting.
Probe care	Immerse fully; remove bubbles and deposits; rinse before calibration.

CONTACT / SUPPORT

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