

STs Series™ Conductivity

Highlighted Features

- 4-cell electrode measuring conductivity, total dissolved solids (TDS), or salinity depending on scaling with datalogger or remote telemetry unit (RTU)
- Secondary 0-50°C temperature sensor
- 2-wire, 4-20 mA analog outputs compatible with many dataloggers or RTUs
- Narrow diameter (0.75 inches or 1.9 cm) for groundwater monitoring applications
- Holds calibration for months at a time
- Low power usage

Ranges available:

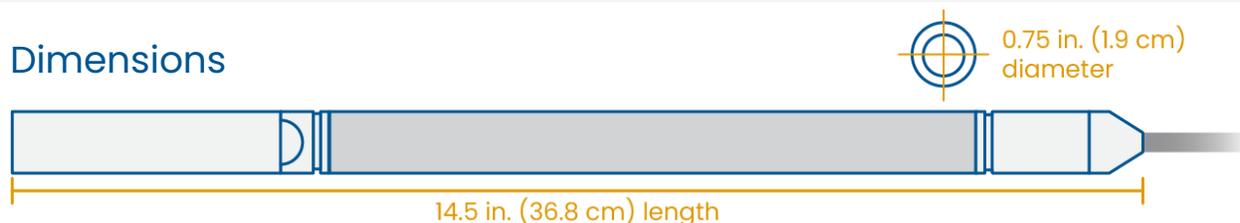
- 0-100 $\mu\text{S}/\text{cm}$
- 0-200 $\mu\text{S}/\text{cm}$
- 0-500 $\mu\text{S}/\text{cm}$
- 0-1000 $\mu\text{S}/\text{cm}$
- 0-2000 $\mu\text{S}/\text{cm}$
- 0-5000 $\mu\text{S}/\text{cm}$
- 0-10,000 $\mu\text{S}/\text{cm}$
- 0-20,000 $\mu\text{S}/\text{cm}$
- 0-50,000 $\mu\text{S}/\text{cm}$
- 0-100,000 $\mu\text{S}/\text{cm}$

Applications

- Groundwater Monitoring
 - Saltwater intrusion
 - Agricultural Runoff
 - Mining Pollution
- Industrial Effluent Monitoring
- Wastewater Treatment
- Environmental Remediation
- Aquaculture

[Click here to visit the product page.](#)

Dimensions



Specifications

Conductivity Sensor

Output	4-20 mA
Conductivity Range	0-100,000 μ S
Electrode Type	4-cell
Transmitter Type	2-wire
Automatic Temperature Compensation	2% per $^{\circ}$ C
Power Supply Voltage	8-40 VDC
Response Time	95% < 5 seconds
Pressure Range	0-70 psi
Wetted Materials	316 SS, Delrin [®] , Viton [™] , PVDF
Length	14.50 in (36.83 cm)
Width	0.75 in (1.90 cm) maximum
Weight (No cable)	0.50 lbs (0.227 kg)
Linearity	\pm 1.00% of full scale*
Accuracy	\pm 1.00% of full scale*
Sensitivity	\pm 0.05% of full scale

*After proper calibration

Temperature Sensor

Output	4-20 mA
Temperature Range	0-50 $^{\circ}$ C
Accuracy	+/- 1 $^{\circ}$ C
Linearity	+/- 0.5 $^{\circ}$ C
Power Supply Voltage	7-40 VDC

Cable

Cable Material	Polyurethane
Type	4 conductor, Kevlar [®] reinforced, water blocked, shielded, twisted-pair wiring
Maximum Distance	3 miles
Resistance per 1000 ft (304.8 m)	26 Ohms
Replaceable?	Yes

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www.pHionics.com

For Orders or Questions:

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