

STs Series Dissolved Oxygen

Highlighted Features

- Galvanic electrode measuring 0-20 mg/L or percent saturation of dissolved oxygen, depending on scaling with attached datalogger or remote telemetry unit (RTU)
- Isolated to prevent ground loops
- Secondary 0-50°C temperature sensor
- 2-wire, 4-20 mA analog outputs compatible with wide range of dataloggers or remote telemetry units
- Low power usage

Ranges available:

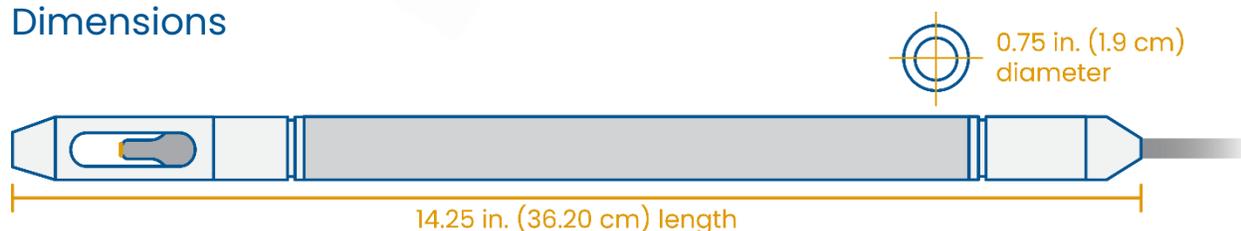
- 0-20 mg/L

Applications

- Industrial Effluent Monitoring
- Wastewater Treatment
- Environmental Monitoring
- Aquaculture

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

Dimensions



Specifications

Dissolved Oxygen Sensor

Output	4-20 mA
Dissolved Oxygen Range	0-20 mg/L (ppm)
Electrode Type	Galvanic cell with Teflon™ membrane
Minimum Flow Rate	1.5 ft (0.457 m) per second
Transmitter Type	2-wire
Automatic Temperature Compensation	2% per °C
Isolation	600 VDC
Operational Temperature Range	0-70°C
Power Supply Voltage	8-40 VDC
Response time	98% < 60 seconds
Pressure Range	0-70 psi
Wetted Materials	316 Stainless Steel, Delrin®, Viton™, Teflon®, epoxy
Length	14.25 in (36.20 cm)
Width	0.750 in (1.9 cm) maximum
Weight (No cable)	0.50 lbs (0.227 kg)
Linearity	± 0.5% of full scale*
Accuracy	± 2.0% of full scale*
Sensitivity	± 0.05% of full scale
Stability	± 2.0% of full scale

*After proper calibration

Temperature Sensor

Output	4-20 mA
Temperature Range	0-50°C
Accuracy	+/- 1°C
Linearity	+/- 0.5°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

Delrin® and Kevlar® are registered trademarks of DuPont™. Viton™ is a trademark of Chemours™.



www.pHionics.com

For Orders or Questions:

www.pHionics.com

+1 (775) 339-0565
sales@pHionics.com