

STs Series™ pH

Highlighted Features

- Combination double-junction electrode measuring 0 to 14 pH
- Large reference half-cell to reduce calibration frequency
- Secondary 0-50°C temperature sensor
- 2-wire, 4-20 mA analog outputs compatible with wide range of dataloggers or remote telemetry units (RTU)
- Narrow diameter (0.75 inches or 1.9 cm) for groundwater monitoring applications
- Low power usage

Ranges available:

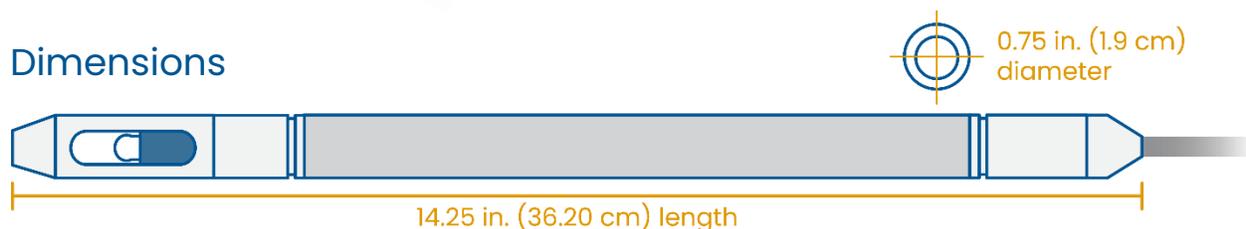
- 0-14 pH
- 6-11 pH

Applications

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

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

Dimensions



Specifications

pH Sensor

Output	4-20 mA
pH Range	0-14 pH
Operational Temperature Range	0-70°C
Electrode Type	Silver/silver chloride, double junction, replaceable gel electrode
Transmitter Type	2-wire
Pressure Range	0-70 psi
Automatic Temperature Compensation	0-70°C
Isolation	600 VDC
Power Supply Voltage	8-40 VDC
Warm-up Time	2 seconds
Response time	95% < 5 seconds
Wetted Materials	316 Stainless Steel, Delrin®, Viton™, glass, 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	±0.014 pH*
Accuracy	±0.014 pH*
Sensitivity	±0.01 pH
Stability	±0.03 pH per year

*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

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www.pHionics.com

For Orders or Questions:

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