



Water Quality Sensors

Turbidity, pH, ORP, DO, Conductivity & Temperature Sensors

Rugged, reliable, and ready for any application



Water quality sensors are used in a wide array of applications, in many natural and industrial environments, including streams, watersheds, wells, caves, water/wastewater treatment plants, aquaculture

operations, landfills, and processing plants. Each sensor provides research-grade accuracy and reliability.

MAJOR SPECIFICATIONS

		Output	Range	Accuracy	Operating Temperature
<p>OBS500 Turbidity</p> <p>Dual backscatter and sidescatter sensors with ClearSensor™ antifouling for measuring suspended solids and turbidity</p> 		Analog 0 to 5 V RS-232 SDI-12	0 to 4000 NTU	2% of reading or 0.5 NTU	0° to +40°C
<p>OBS-3+ Turbidity</p> <p>Uses OBS® Technology to measure suspended solids and turbidity using sideways-facing optics</p> 		Analog 0 to 2.5 V 0 to 5 V or 4 to 20 mA	0 to 250 NTU 0 to 500 NTU 0 to 1000 NTU 0 to 3000 NTU 0 to 4000 NTU	2% of reading or 0.5 NTU	0° to +40°C
<p>OBS300 Turbidity</p> <p>Uses OBS® Technology to measure suspended solids and turbidity using downward-facing optics</p> 		Analog 0 to 2.5 V 0 to 5 V or 4 to 20 mA	0 to 250 NTU 0 to 500 NTU 0 to 1000 NTU 0 to 3000 NTU 0 to 4000 NTU	2% of reading or 0.5 NTU	0° to +40°C
<p>CS526-L pH</p> <p>Measures pH using state-of-the-art ISFET technology</p> 		Serial TTL Logic	1 to 14	±0.2 pH	10° to +40°C
<p>CSIM11-L pH</p> <p>Measures the full pH range of liquids</p> 		Analog ±59 mV/pH	0 to 14	±0.1% over full range	0° to +80°C

More info: 435.227.9050

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	<i>Output</i>	<i>Range</i>	<i>Accuracy</i>	<i>Operating Temperature</i>
CSIM11-ORP-L ORP Measures oxidation-reduction potential (ORP) of liquids 	Analog	-700 to +1100 mV	±0.1% over full range	0° to +80°C
CS511-L DO Measures dissolved oxygen 	Analog, 0 to 33 mV ±9 mV	0.5 to 50 ppm	±2%	0° to +50°C
CS547A-L Conductivity Measures both electrical conductivity and temperature 	Analog, (requires A547 interface)	-0.005 to 7.0 mS/cm	±5% of reading	0° to +50°C
109-L Temperature Measures water temperature with BetaTherm 10K3A11B Thermistor 	Analog	-50° to +70°C	±0.2°C over 0° to +70°C tolerance	-50° to +70°C
109SS-L Temperature Measures water temperature in harsh, corrosive environments. Uses a Micro-BetaCHIP Thermistor 10K3MCD1 	Analog	-40° to +70°C	-40°C: ±0.6°C tolerance 0°C: ±0.38°C tolerance 25°C: ±0.1°C tolerance 50°C: ±0.3°C tolerance 70°C: ±0.4°C tolerance	-40° to +70°C