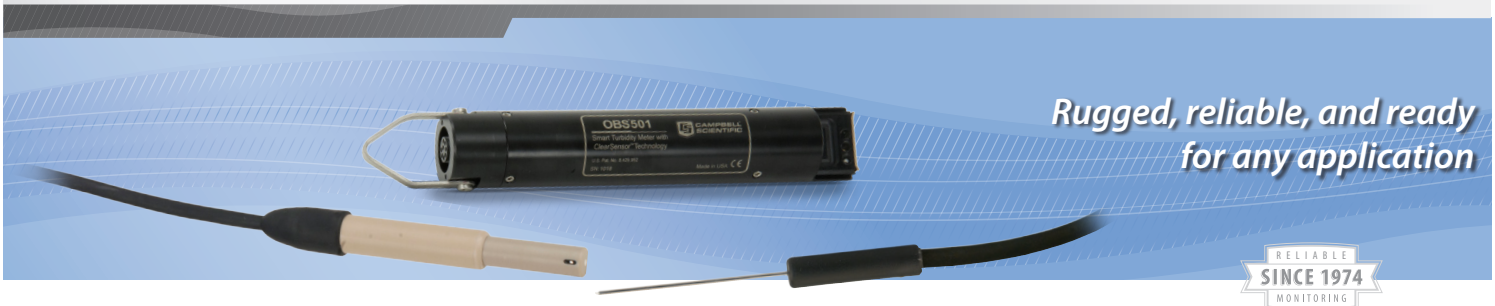
CAMPBELL SCIENTIFIC®
WHEN MEASUREMENTS MATTER

Water Quality Sensors

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



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	Major Features
OBS501 | Smart Turbidity Meter with Antifouling Features 	Analog 0 to 5 V RS-232 SDI-12	0 to 4000 NTU	2% of reading or 0.5 NTU	0° to +40°C	» Designed for heavy sediment loads. » Dual backscatter and side-scatter sensor » ClearSensor anitfouling method. » Optional plastic sleeve for faster cleanup » Optional copper sleeve for additional protection
OBS-3+ | Turbidity Sensor with side-ways-facing optics 	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	» OBS® technology used to measure suspended solids and turbidity » Stainless-steel body allows ≤500 m submersion in fresh water » Titanium body allows ≤1500 m submersion in fresh or salt water
OBS300 | Turbidity Sensor with down-ward-facing optics 	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	» OBS® technology used to measure suspended solids and turbidity » Stainless-steel body allows ≤500 m submersion in fresh water » Titanium body allows ≤1500 m submersion in fresh or salt water
OBS-3A| Turbidity and Temperature Monitoring System 	RS-232 RS-485	Turbidity: 0.4 to 4,000 NTU Temperature: 0° to 35°C Conductivity: 0 to 65 mS/cm (40 PSU, o/oo) Concentration Mud: 0.4 to 5,000 mg/l Sand: 2 to 100,000 mg/l Pressure: 0 to 10, 20, 50, 100, or 200 m	2% of reading or 0.5 NTU	0° to +40°C	» Measures turbidity with patented, field-proven OBS technology » Logs depth, wave height, wave period, temperature, and salinity » Runs up to 8,000 hours on three D-cell batteries

	Output	Range	Accuracy	Operating Temperature	Major Features
CS526-L | Digital ISFET pH Probe 	Serial TTL Logic	1 to 14	±0.2 pH	10° to +40°C	» Uses state-of-the-art ISFET technology » No glass bulb to break, making the probe safer and more rugged
CSIM11-L | pH Probe 	Analog ±59 mV/pH	0 to 14	±0.1% over full range	0° to +80°C	» Plunger-style pH glass electrode allowing the probe to be mounted at any angle » Internal amplifier boosts signal for less interference
CSIM11-ORP-L | Oxidation Reduction Potential (ORP) Probe 	Analog	-700 to +1100 mV	±0.1% over full range	0° to +80°C	» Plunger-style pH glass electrode allowing the probe to be mounted at any angle » Internal amplifier boosts signal for less interference
CS511-L | Dissolved Oxygen (DO) Sensor 	Analog, 0 to 33 mV ±9 mV	0.5 to 50 ppm	±2%	0° to +50°C	» Submersible, rugged, low-maintenance sensor » In-line thermistor provides automatic temperature compensation
CS547A-L | Water Conductivity and Temperature Probe 	Analog (requires A547 interface)	-0.005 to 7.0 mS/cm	±5% of reading	0° to +50°C	» Corrosion Resistant » Epoxy housing is durable and easy to clean
109-L | Temperature Probe 	Analog	-50° to +70°C	±0.2°C over 0° to +70°C tolerance	-50° to +70°C	» Rugged, Accurate, Versatile » Compatible with most of our dataloggers (including the CR200X)
109SS-L | Stainless-Steel Temperature Probe for Harsh Environments. 	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	» Rugged, Accurate, Versatile » Designed for harsh, corrosive environments » Compatible with most of our dataloggers (including the CR200X)