

WQ Sensors

- *DO, pH, ORP, & temperature sensors*
- *Automatic temperature compensation*
- *Direct USB interface to computer*
- *PC & Mobile software packages*
- *No batteries, meters, or power supplies*

NexSens **WQ Sensors** are the latest in smart sensor technology with direct computer interface. A six foot sensor cable with integral USB connector offers a hassle-free connection to Windows-based PCs and mobile devices. The **WQ Sensor** is powered from the USB port, and data is displayed in real-time directly on the computer screen. When connected, the sensor's unique ID is automatically recognized, and the most recent calibration, factory calibration, and probe status are displayed. These quality sensors, bundled with a versatile PC or Mobile software package, ensure affordable data with minimal effort.

The **WQ-TEMP** sensor is constructed of stainless steel and Santoprene elastomer, offering precision measurements over a broad temperature range. For simultaneous dissolved oxygen & temperature measurements, the **WQ-DO** sensor offers laboratory accuracy in a field-rugged probe. The sensor is based on the US EPA approved method (360.1), and probe maintenance is minimal and simple with a screw-on cap membrane. Both the **WQ-PH** and **WQ-ORP** sensors are double junction gel electrolyte electrodes with automatic temperature compensation. All sensors offer a quick response and long-life in laboratory and field applications.

WQ Sensors Software is a powerful sensor interface and data collection program that is included with the purchase of any **WQ Sensor**. The program allows users to quickly calibrate, log, and analyze data from any **WQ Sensor**. Professional PDF reports are generated with the click of a button, and advanced options allow the user to adjust graph scaling, select time intervals, and more. For field water quality measurements, NexSens **WQMobile** software offers a plug-&-play interface to the complete line of **WQ Sensors**. Simply plug the sensor into a Trimble Nomad or other field computer with USB interface and begin collecting data!

WQ Sensors

specifications

WQ-TEMP	
Range	0 to 50°C
Accuracy	±0.2°C
Response Time	30 seconds full range swing
Element	Thermistor
WQ-DO	
Range	0% to 200% (0-20mg/L) O ₂
Temp Range	0 to 50°C
Temp Accuracy	±0.2°C
Response Time	98% of full response in 60 seconds at 25°C
Reproducibility	±2%
Electrode Length	150mm
Body Diameter	12mm
Cap Membrane	16mm OD x 30mm L
WQ-PH	
Range	0 to 14 pH
Temp Range	0 to 50°C
Temp Accuracy	±0.2°C
Junction Type	Double Junction
Electrode Length	155mm
Body Diameter	12mm
WQ-ORP	
Range	-1250 to 1250mV
Temp Range	0 to 50°C
Temp Accuracy	±0.2°C
Junction Type	Double Junction
Electrode Length	155mm
Body Diameter	12mm



parts list

Part #	Description
WQ-TEMP	Temperature sensor
WQ-DO	Dissolved oxygen & temperature sensor
WQ-PH	pH & temperature sensor
WQ-ORP	ORP & temperature sensor
WQ-A	Sensor arm for up to 5 sensors
WQ-PLATE	Magnetic stir plate
WQ-STIR	Micro-stirrer
WQ-DOCAP	WQ-DO Cap membrane kit
Nomad	Nomad rugged handheld computer
1002	WQMobile software for Windows Mobile 6 devices



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