

# WQSensor ORP Quick Start Guide

This guide will help you get started. Detailed information is available in the WQ-ORP manual.

## Overview

The WQ-ORP is a *smart* sensor, which connects directly to Windows based computers via a USB connection. No meters, batteries or power supplies are required. The WQSensor is powered from the USB port, and data is displayed directly on the computer monitor.

The WQ-Oxidation-Reduction Potential includes memory for storing calibrations, a GLP (Good Laboratory Practices) file and a unique ID. The sensor has a range of -1250 to 1250 mV and an operating temperature range of 0 to 50°C.

## What's Included

- WQSensors Software & Science Library CD
- WQ-Oxidation-Reduction Potential sensor
- Storage bottle for WQ Sensor

## Getting Started

1. Insert the WQSensors CD into the computer CD-ROM drive and follow the installation wizard.
2. Connect the WQ-ORP Sensor to a USB port on the computer and follow the Windows Driver Installation wizard.
3. Run WQSensors software and Oxidation-Reduction Potential readings will be displayed on the **Sensors** tab.



## Using the Sensor

The **Sensors** tab displays real-time oxidation-reduction potential readings. Data is updated once per second. **Calibrate** and **Log** functions are available by clicking the appropriate button on the left in the WQSensor application window.

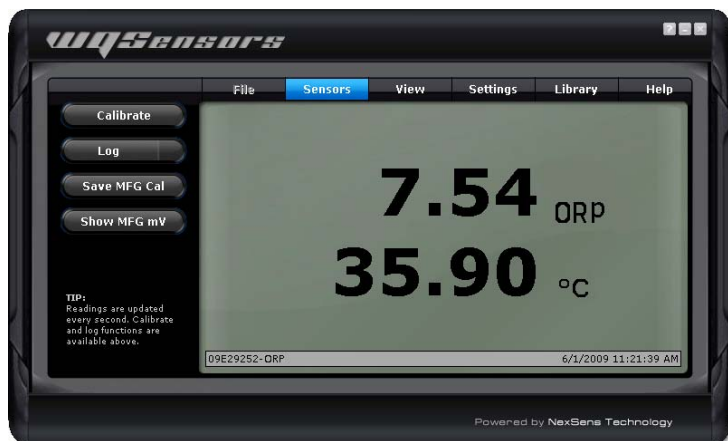
Log intervals can be changed from the **Settings** tab. Data reports and Good Laboratory Practices files can be displayed from the **View** tab.

## Calibration

The sensor requires a 1-point calibration in a known ORP standard solution such as Zobell solution. To calibrate:

1. Place the sensor into the prepared standard solution, and allow 30 to 60 seconds for the readings to stabilize.
2. Press the **Calibrate** button. Enter the correct value of the standard for the ambient temperature and press **Calibrate** to accept.

Temperature (°C)	Zobell Solution (mV)
15	244.0
20	237.5
25	231.0
30	224.5
35	218.0



For more information see the online manual

[www.nexsens.com/pdf/nexsens\\_wq-orp\\_manual.pdf](http://www.nexsens.com/pdf/nexsens_wq-orp_manual.pdf)



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