

WQSensor Dissolved Oxygen Quick Start Guide

This guide will help you get started. Detailed instructions are available on the WQSensors Software & Science Library CD.

Overview

A WQSensor 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.

Each *smart sensor* includes memory for storing the factory calibration, several recent user calibrations, a GLP (Good Laboratory Practices) file and a unique ID. WQSensors Software maintains a history of all sensors.

Contents

Part #	Description
1006	WQSensors Software & Science Library CD
WQ-DO	Dissolved Oxygen & Temperature sensor
WQ-BOT	Storage bottle for WQ Sensors
	60mL bottle electrolyte filling solution
	Spare membrane cap
	2 polishing strips

Getting Started

Before connecting the sensor to the computer, first install WQSensors software.

- Step 1.** Insert the CD into the computer CD drive and follow the installation wizard.
- Step 2.** Connect the WQ-DO Sensor to a USB port on your computer and follow the Windows Driver Installation wizard. For assistance see Appendix D of the manual.
- Step 3.** Run WQSensors software and DO readings will be displayed on the *Sensors* display.



Using the Sensor

The *Sensors* menu displays Dissolved Oxygen and Temperature readings. Data is updated once per second. *Calibrate* and *Log* functions are available. Simply click a button on the left.

Log intervals can be changed from the *Settings* menu while data reports and Good Laboratory Practices files can be displayed from the *View* menu.

Calibration

The software supports a 1-point calibration in either % saturation or concentration (mg/L). An air calibration in % saturation is recommended.

- Step 1.** Place the sensor in the storage bottle with a water saturated sponge. The bottle cap should be loose to allow pressure equalization. Allow 30 to 60 seconds for the readings to stabilize.
- Step 2.** Press the *Calibrate* button and enter the barometric pressure reading. Click *OK* to accept.

Additional Information

For complete documentation view the WQ-DO manual within the program.