

# WQ401 Dissolved Oxygen Sensor

Rugged Dissolved Oxygen Sensor



## Description

Global Water's WQ401 Dissolved Oxygen Sensor is a rugged and reliable water oxygen measuring device. The WQ401's sensor is attached to 25' of marine grade cable, with lengths up to 500' available upon request. The sensor's output is 4-20 mA with a three wire configuration. The sensor's electronics are completely encapsulated in marine grade epoxy within a stainless steel housing. The unit uses a removable shield and dissolved oxygen element for easy maintenance.

## Record and Control

As with all of Global Water's 4-20 mA output sensors, you can add recording and controlling capabilities to the WQ401 with the GL500 Recorder and PC300 Controller. The GL500 connects to the dissolved oxygen sensor's 4-20 mA output to record data, and the PC300 Controller connects to the sensor's output to control pumps or alarms.

## Specifications

Output	4-20 mA
Range	0 to 100% saturation, 0 to 8 ppm, temperature compensated to 25°C
Accuracy	±0.5% full scale
Maximum Pressure	40 psi
Operating Voltage	10 to 36 VDC
Current Draw	15.5 mA plus sensor output
Warm-up Time	10 seconds minimum
Operating Temperature	-40° to +55°C
Membrane	0.001 FEP Teflon (standard)
Combined Error	2% full scale
Size of Probe	Open Water: 1 ¼" dia. x 11" long (3.2cm dia. x 27.9 cm long) Online: 2" dia. x 12" long (5cm dia. x 30.5cm long)
Weight	1 lb (454 g)

## Features

- Measure dissolved oxygen in situ
- Fully encapsulated electronics
- 4-20 mA output
- Marine grade cable with strain relief
- Stainless steel housing
- Replaceable dissolved oxygen element

## Applications

Ideal for stream and lake monitoring, aquaculture studies, baseline analyses, mitigation monitoring, and other environmental applications.

## Ordering & Options

Order No.	Description
WQ401	Dissolved Oxygen Sensor for Open Water (includes 25' cable)
WQ401-O	Online Dissolved Oxygen Sensor (with 1" NPT thread and 25' cable)
00-740	DO Element Replacement
WQEXC	Extra Sensor Cable, per foot (up to 500')

Please call us for calibration standards.



**Global Water**  
*The Leader in Water Instrumentation*

In the U.S. call toll free  
at 1-800-876-1172  
International: 916-638-3429  
Fax: 916-638-3270  
Email: [globalw@globalw.com](mailto:globalw@globalw.com)

Visit our online catalog at:  
[www.globalw.com](http://www.globalw.com)  
Our Address:  
11390 Amalgam Way  
Gold River, CA 95670