

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 ft of marine grade cable, with lengths up to 500 ft 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 PC320 Controller. The GL500 connects to the dissolved oxygen sensor's 4-20 mA output to record data, and the PC320 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 77°F (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 +131°F (-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.