

W-DO

Dissolved Oxygen Sensor

A dissolved oxygen and temperature sensor for use with HOBO MX800 Series Water Loggers

Important Information

Requires a HOBO MX801 or MX802 Data Logger, the HOBObconnect app, and a compatible mobile device or Windows computer. System requirements for the app can be found at the bottom of our HOBObconnect software page.



Compatible with
HOBObconnect[®] Monitoring App

Supported Measurements

Dissolved Oxygen

Features

- User-replaceable DO cap lasts 2 years or more
- High accuracy measurements, even without calibration
- Get salinity-adjusted DO directly when used with conductivity sensor (W-CT or W-CTD), no need for post-processing
- Direct DO percent saturation data, no need for post-processing (when used with MX802)
- Easy calibration with included calibration boot – saves time
- 1" diameter for use in narrow wells (with cable to MX802 above the well)
- PVC housing holds up in saltwater

What's in the box

- Dissolved oxygen sensor
- Dissolved oxygen sensor cap
- Calibration boot and sponge

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email sales@onsetcomp.com
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

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470 MacArthur Boulevard
Bourne, MA 02532

Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

Dissolved Oxygen Sensor (W-DO) Specifications

Dissolved Oxygen

Optical Sensor	(dynamic luminescence quenching)
Measurement Range	0 to 60 mg/L; 0-600% Saturation
Accuracy	Out-of-box: ± 0.2 mg/L (typical) over the range of 0 to 20 mg/L $\pm 4\%$ over the range of 20 to 60 mg/L With user calibration: ± 0.1 mg/L over the range of 0 to 20 mg/L; $\pm 2\%$ over the range of 20 to 60 mg/L
Resolution	0.01 mg/L
Sensor Drift	Accuracy is maintained for 2 years; aside from the effects of fouling
Response Time	To 90% in less than 45 sec
DO Sensor Cap Life	2 years; after this the sensor will continue operate, but possibly with less accuracy

Temperature

Temperature Measurement/Operating Range	-5 to 50°C (23 to 104°F), non-freezing
Temperature Accuracy	0.15°C (0.27°F)
Temperature Resolution	0.01°C (0.04°F)
Response Time	To 90% in less than 15 minutes
Logging Rate	When using this sensor, the maximum logging rate is 1 min
Depth Rating	IP-68, waterproof to 100 m (328 ft) - must be attached to logger and have DO sensor cap installed
Wetted Materials	Black Delrin®, PVC, EPDM o-rings, rated for saltwater use
Size	To Be Determined

Markings



The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).