

U26-001

## HOBOb Dissolved Oxygen Data Logger

An affordable, precise data logger that measures oxygen concentrations in lakes, streams, rivers, estuaries, and coastal waters.

### Important Information

Requires HOBObware Pro software and either a U-DTW-1 Waterproof Shuttle or the Base-U-4 Optic USB Base Station for configuration and data offload. Please see compatible items below.



### Supported Measurements

Dissolved Oxygen, Water Temperature

### Features

- Affordable, high performance dissolved oxygen (DO) monitoring with 0.2 mg/L accuracy
- Optical DO sensor technology for long-lasting calibration with less maintenance
- HOBObware Pro's Dissolved Oxygen Assistant software corrects for measurement drift from fouling; provides salinity-adjusted DO concentrations and percent saturation
- Optical USB interface for high-speed, reliable data offload
- User-replaceable DO sensor cap eliminates need to send logger back to the factory to replace membrane

**?NOTE:** For DO measurements in saltwater, an adjustment for salinity is required. For waters with small changes in salinity (<2 ppt), a salinity meter reading typically provides enough accuracy. For environments with greater salinity changes, we generally recommend the HOBOb U24-002-C Conductivity logger. If you need DO in Percent Saturation, barometric pressure data is required, which can be logged with a HOBOb U20-001-04 Water Level logger.

### What's in the box

- HOBOb U26-001 Dissolved Oxygen Data Logger
- Dissolved oxygen sensor cap
- Protective guard
- Calibration boot and sponge

### Contact Us

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

- Email [sales@onsetcomp.com](mailto: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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Technical Support (8am to 5pm ET, Monday through Friday)

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

# HOBO Dissolved Oxygen Data Logger (U26-001) Specifications

## Dissolved Oxygen

<b>Sensor Type</b>	Optical
<b>Measurement Range</b>	0 to 30 mg/L
<b>Calibrated Range</b>	0 to 20 mg/L; 0 to 35°C (32 to 95°F)
<b>Accuracy</b>	± 0.2 mg/L up to 8 mg/L; ± 0.5 mg/L from 8 to 20 mg/L
<b>Resolution</b>	0.02 mg/L
<b>Response Time</b>	To 90% in less than 2 minutes
<b>DO Sensor Cap Life</b>	6 months, cap expires 7 months after initialization

## Temperature

<b>Temperature Measurement/Operating Range</b>	-5 to 40°C (23 to 104°F); non-Freezing
<b>Temperature Accuracy</b>	0.2°C (0.36°F)
<b>Temperature Resolution</b>	0.02°C (0.04°F)
<b>Response Time</b>	To 90% in less than 30 minutes

## Logger

<b>Memory</b>	21,700 sets of DO and temperature measurements (64 KB total memory)
<b>Logging Rate</b>	1 minute to 18 hours
<b>Time Accuracy</b>	±1 minute per month at 0 to 50°C (32 to 122°F)
<b>Battery</b>	3.6 V lithium battery; factory replaceable
<b>Battery Life</b>	3 years (at 5 minute logging)
<b>Download Type</b>	Optical
<b>Depth Rating</b>	100 m (328 ft)
<b>Buoyancy</b>	Salt water: 13 g (0.46 oz) negative   Fresh water: 20 g (0.71 oz) negative
<b>Wetted Materials</b>	Black Delrin®, PVC, EPDM o-rings, silicone bronze screws; rated for saltwater use
<b>Size</b>	39.6 mm diameter x 266.7 mm length (1.56 x 10.5 inches)
<b>Weight</b>	272.4 g (9.61 oz)
<b>Environmental Rating</b>	IP68

