



HOBO Dissolved Oxygen Logger - U26-001

Overview

The HOBO U26 Dissolved Oxygen Logger is a highly precise, low-cost data logger for measuring concentrations of oxygen in lakes, streams, rivers, estuaries, and coastal waters. Used by aquatic biologists, hydrologists, and other research professionals, the HOBO U26 combines the high accuracy, robust performance of industry-leading RDO® Basic (Rugged Dissolved Oxygen) sensor technology with an easy-to-maintain design.

Includes:

- U26-001 data logger
- DO sensor cap
- Protective Guard
- Calibration Boot with sponge

NOTE: If you need to measure DO in saltwater environments, salinity or conductivity measurements are required, which can be conveniently obtained with Onset's HOBO Conductivity/Salinity Logger (U24-002). If you need DO in Percent Saturation, barometric pressure data is required, which can be logged with a HOBO Water Level Logger (U20-001-04).

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
- Software corrects for measurement drift from fouling; provides salinity-adjusted DO concentrations and percent saturation
- Optical USB interface for high-speed, reliable data offload
- Easy-to-replace DO sensor cap lasts six months

Environment:

The U26-001 Data Logger is for use in Underwater environments

Supported Measurements:

The U26-001 Data Logger supports the following measurements :
Temperature, Dissolved Oxygen

Dissolved Oxygen

Sensor Type: Optical

Measurement Range: 0 to 30 mg/L

Calibrated Range: 0 to 20 mg/L; 0 to 35°C (32 to 95°F)

Accuracy: 0.2 mg/L up to 8 mg/L; 0.5 mg/L from 8 to 20 mg/L

Resolution: 0.02 mg/L

Response Time: To 90% in less than 2 minutes

DO Sensor Cap Life: 6 months, cap expires 7 months after initialization

Temperature

Temperature Measurement/Operating Range: -5 to 40°C (23 to 104°F); non-Freezing

Temperature Accuracy: 0.2°C (0.36°F)

Temperature Resolution: 0.02°C (0.04°F)

Response Time: To 90% in less than 30 minutes

Logger

Memory: 21,700 sets of DO and temperature measurements (64 KB total memory)

Logging Rate: 1 minute to 18 hours

Time Accuracy: ±1 minute per month at 0 to 50°C (32 to 122°F)

Battery: 3.6 V lithium battery; factory replaceable

Battery Life: 3 years (at 5 minute logging)


Download Type: Optical

Depth Rating: 100 m (328 ft)

Wetted Materials: Black Delrin®, PVC, EPDM o-rings, silicone bronze screws; rated for saltwater use

Size: 39.6 mm diameter x 266.7 mm length (1.56 x 10.5 inches)

Weight: 464 g (16.37 oz)

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

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