



An affordable, precise data logger that measures oxygen concentrations in lakes, streams, rivers, estuaries, and coastal waters. Recommended for aquatic biology and hydrology research projects, this easy-to-maintain logger uses RDO® Basic (Rugged Dissolved Oxygen) optical DO sensor technology.

The HOBO U26 Dissolved Oxygen logger was part of a multi-year evaluation of DO loggers and sensors by the Alliance for Coastal Technologies (ACT), the results of which are published here. This un-biased report describes how the HOBO U26 performs in lab and field conditions. Note that our response letter, with added recommendations, is attached at the end of the report (pages 58-59).

### 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
- HOBOWare 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

### What's In The Box

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

**Technical Specifications:****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)
Buoyancy	: Salt water: 13 g (0.46 oz) negative   Fresh water: 20 g (0.71 oz) negative
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	: 272.4 g (9.61 oz)
Environmental Rating	: IP68
CE	: The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).