

# HOBO® Dissolved Oxygen Logger

Affordable, high performance dissolved oxygen monitoring

The HOBO U26 Dissolved Oxygen Logger measures concentrations of dissolved oxygen in lakes, streams, rivers, estuaries, and coastal waters. Used by aquatic biologists,

hydrologists, and other research professionals to monitor water quality, the U26 is ideal for climate change and environmental impact studies as well as ecological and oceanographic research.



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, all at a fraction of the cost of other monitoring options.

**Supported Measurements:** Dissolved Oxygen, Temperature

## Key Advantages:

- Affordable, high performance DO monitoring with 0.2 mg/L accuracy
- Optical DO sensor technology for long-lasting calibration, less maintenance
- Software corrects for measurement drift from fouling; provides salinity-adjusted DO concentration and percent saturation (Salinity adjustment requires salinity meter reading or data logger file. Percent saturation requires barometric pressure data file.)
- Optic USB interface for high-speed, reliable data offload
- Easy-to-replace DO sensor cap lasts six months

## Minimum System Requirements:



Software



Base Station\*



Coupler<sup>1</sup>

\*HOBO Base Station or HOBO Waterproof Shuttle required.

<sup>1</sup>Coupler included with HOBO Base Station or HOBO Waterproof Shuttle.

► For complete information and accessories, please visit: [www.measurementsystems.co.uk](http://www.measurementsystems.co.uk)

<b>Part number</b>	<b>U26-001</b>
<b>Dissolved Oxygen</b>	
<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)
<b>Temperature</b>	
<b>Operating Temperature and Measurement 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
<b>Logger</b>	
<b>Memory</b>	21,700 sets of DO and temperature measurements
<b>Logging Rate</b>	1 minute to 18 hours
<b>Time Accuracy</b>	± 1 minute per month at 25°C (77°F)
<b>Battery</b>	3.6 V lithium battery; factory replaceable, life: 3 years (at 1 minute logging)
<b>Maximum Depth</b>	100 m (328 ft)
<b>Dimensions</b>	39.6 mm diameter x 266.7 mm (1.56 in diameter x 10.5 in)
<b>CE Compliant</b>	Yes

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