



HOBO U26-001 Dissolved Oxygen Logger

Product Images



Short Description

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.

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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](#)).


Includes:

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

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

Additional Information

Country of Manufacture	United States
Explanation	Detailed Specifications:
	Dissolved Oxygen
	Sensor TypeOptical
	Measurement Range0 to 30 mg/L
	Calibrated Range0 to 20 mg/L; 0 to 35°C (32 to 95°F)
	Accuracy0.2 mg/L up to 8 mg/L; 0.5 mg/L from 8 to 20 mg/L
	Resolution0.02 mg/L
	Response TimeTo 90% in less than 2 minutes
	DO Sensor Cap Life6 months, cap expires 7 months after initialization
	Temperature
	Temperature Measurement/Operating Range-5 to 40°C (23 to 104°F); non-Freezing
	Temperature Accuracy0.2°C (0.36°F)
	Temperature Resolution0.02°C (0.04°F)
	Response TimeTo 90% in less than 30 minutes
	Logger
	Memory21,700 sets of DO and temperature measurements (64 KB total memory)
	Logging Rate1 minute to 18 hours
	Time Accuracy±1 minute per month at 0 to 50°C (32 to 122°F)
	Battery3.6 V lithium battery; factory replaceable
	Battery Life3 years (at 5 minute logging)
	Download TypeOptical
	Depth Rating100 m (328 ft)
	Wetted MaterialsBlack Delrin®, PVC, EPDM o-rings, silicone bronze screws; rated for saltwater use
	Size39.6 mm diameter x 266.7 mm length (1.56 x 10.5 inches)
	Weight464 g (14.92 oz)
	 The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).
	IMPORTANT: HOBO data loggers require HOBOWare software (USB interface cable included w/CD purchase).
Brand	Onset HOBO
Onset Product Series	U26
Typical applications	Environmental (Outdoor), Field Research, Water Quality
Measurements	Dissolved Oxygen, Temperature

Additional Options

Connectivity Options	HOBO Universal Optic USB Base Station Base-U-4 (includes Couplers)
	Waterproof Optic Data Shuttle U-DTW-1 (requires HOBOWare Pro)
HOBOWare Pro Software Options	HOBOWare Pro on USB Drive (USB cable included)
	HOBOWare Pro on CD (USB Cable Included)
	HOBOWare Pro - Download Only (USB cable NOT included)
Well Cap for Mounting HOBO Loggers in Wells	WELL-CAP-01
USB Cable (included with HOBOWare Pro on USB Drive & CD)	HOBO U-Series to PC USB Cable