



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 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 (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