

HOBO Dissolved Oxygen Logger - U26-001



Measures:

Temperature, Dissolved Oxygen

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
- Easy-to-replace DO sensor cap lasts six months

NOTE: For DO measurements in saltwater, an adjustment for salinity is required. For waters with small changes in salinity (<2 ppt), a salinity meter reading typically provides enough accuracy. For environments with greater salinity changes, we generally recommend the [HOBO U24-002-C conductivity logger](#).

NOTE: 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

Qty	1-9	10-99	100+
\$US	\$1,250	\$1,163	\$1,063

Contact Onset at 1-800-564-4377

Description:

Measure oxygen concentrations in lakes, streams, rivers, estuaries, and coastal [waters](#) with the HOBO U26 Dissolved Oxygen Logger. This affordable and precise logger is recommended for aquatic biology and hydrology research projects. The HOBO U26 uses RDO® Basic (Rugged Dissolved Oxygen) optical DO sensor technology and is easy to maintain.

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

HOBOTM Data Loggers

1-800-LOGGERS