

Call our friendly team on +44 (0)1243 558270

Tempcon Instrumentation Ford Lane Business Park Ford West Sussex BN18 0UZ, UK www.tempcon.co.uk



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.

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.

NOTE: If you need to measure **DO** in saltwater environments, salinity or conductivity measurements are required, which can be conveniently obtained with a 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

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

Memory Logging Rate 1 minute to 18 hours 1 minute to 18 hours 1 minute to 18 hours 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 Dopth Rating Download Type Wetted Materials Black Delirin®, PVC, EPDM o-rings, silicone bronze screws; rated for saltwater use bronze screws; rated for saltwater use Size Weight 464 g (14,92 oz) Weight Hofe 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 Product Series U26 Trypical applications	Country of Manufacture	United States	
Sensor Type Optical Measurement Range 0 to 20 mg/L 0 to 30 mg/L Calibrates 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 0,22 mg/L		Detailed Specifications:	
Measurement Range 0 to 30 mg/L Calibrated Range 0 to 20 mg/L 0 to 35°C (32 to 95°F) Accuracy 22 mg/L 0 to 8 mg/L 0.5 mg/L from 8 to 20 mg/L Response Time 75 90% in less than 2 minutes Pool Sensor Cap Life 75 90% in less than 2 minutes Pool Sensor Cap Life 75 90% in less than 2 minutes Pool Sensor Cap Life 75 90% in less than 2 minutes Premperature Resolution 0.02°C (3.0 to 104°F); non-Freezing Range 75 90% in less than 30 minutes Premperature Resolution 0.02°C (3.0 to 104°F); non-Freezing Range 75 90% in less than 30 minutes Premperature Resolution 0.02°C (3.0 to 104°F); non-Freezing Range 75 90% in less than 30 minutes Premperature Resolution 0.02°C (3.0 to 104°F); non-Freezing Range 75 90% in less than 30 minutes Premperature Resolution 0.02°C (3.0 to 104°F); non-Freezing Range 75 90% in less than 30 minutes Premperature Resolution 0.02°C (3.0 to 104°F); non-Freezing Range 75 90% in less than 30 minutes Premperature Resolution 0.02°C (3.0 to 104°F); non-Freezing 85 90°C (3.0 to 104°F); non-Freezing 95 90°C (3.0 to 104°F); non-Fre		Dissolved Oxygen	
Calibrated Range 0 to 20 mg/L 0 to 8 mg/L 0 to 8 mg/L 0.5 mg/L from 8 to 20 mg/L 0.5 mg/L 0.5 mg/L from 8 to 20 mg/L 0.5		Sensor Type	Optical
Accuracy 20 2 mg/L up to 8 mg/L 0.5 mg/L from 8 to 20 mg/L Resolution 0.02 mg/L up to 8 mg/L 0.5 mg/L from 8 to 20 mg/L Resolution 0.02 mg/L 0.02 mg/L from 8 to 20 mg/L 0.02 mg/L 0.02 mg/L 0.02 mg/L 0.03 mg		Measurement Range	0 to 30 mg/L
Resolution 0.02 mg/L Resolution 0.02 mg/L Response Time 70 99% in less than 2 minutes Perperature Temperature Temperature Measurement/Operating Range 2.5 to 40°C (23 to 104°F); non-Freezing Range 7.5 to 40°C (23 to 104°F); non-Freezing 7.5 to 40°C (23 to 104°F); non-Fr		Calibrated Range	0 to 20 mg/L; 0 to 35°C (32 to 95°F)
Response Time To 90% in less than 2 minutes DO Sensor Cap Life 6 months, cap expires 7 months after initialization Temperature Peasurement/Operating Range 7 months after initialization 8 months after initialization 9 months after 1 months after 2 months after 1 months after		Accuracy	
Temperature Measurement/Operating Range 7 months after initialization Temperature Measurement/Operating Range 7 months after initialization Temperature Measurement/Operating Range 7 months after initialization Temperature Measurement/Operating Range 7 months after Measurement/Operating Range 7 months after Measurement/Operating Range 7 months after Measurement/Operating 9 mon		Resolution	0.02 mg/L
Temperature Temperature Temperature Temperature Measurement/Operatins Range Temperature Accuracy Temperature Accuracy Temperature Resolution Temperature Resolution Response Time To 90% in less than 30 minutes Explanation Memory Logging Rate Dogging Rate Dogging Rate Time Accuracy Time Accu		Response Time	To 90% in less than 2 minutes
Temperature Measurement/Operating Range Temperature Accuracy 0.2°C (0.36°F) 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 Explanation Logger		DO Sensor Cap Life	
Range Temperature Accuracy O.2°C (0.36°F) Temperature Resolution Response Time To 90% in less than 30 minutes Explanation Logger Memory Memory Logging Rate I minute 1 ha bours 1 minute 1 ni ha bours 1 minute 1 ni ha bours 1 minute per month at 0 to 50°C (32 to 122°F Battery 3.6 V lithium battery; factory replaceable Battery Life Download Type Optical Depth Rating Download Type Optical Depth Rating 100 m (328 ft) Wetted Materials Size 39.6 mm diameter x 266.7 mm length (1.56 x 10.5 inches) Weight 464 g (1.49 zu zu) 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 Environmental (Outdoor), Field Research, Water Quality		Temperature	
Temperature Resolution 0.02°C (0.04°F) Response Time To 90% in less than 30 minutes Explanation Logger			-5 to 40°C (23 to 104°F); non-Freezing
Explanation 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 Life 3 years (at 5 minute logging) Download Type Optical Depth Rating 100 m (328 ft) Depth Rating 100 m (328 ft) Wetted Materials Black Defrine P, PVC, EPDM o-rings, silicone bronze screws; rated for salkwater use bronze screws; rated for		Temperature Accuracy	0.2°C (0.36°F)
Explanation Memory Memory Surprise Memory Surprise Memory Surprise Surprise Memory Surprise Surpri		Temperature Resolution	0.02°C (0.04°F)
Memory Logging Rate 1 minute to 18 hours		Response Time	To 90% in less than 30 minutes
Memory Logging Rate Logging Rate 1 minute to 18 hours 1 minute per month at 0 to 50°C (32 to 122°F Battery 3.6 V lithium battery; factory replaceable Battery Download Type Optical Depth Rating Depth Rating 100 m (328 ft) Wetted Materials Wetted Materials Size (1.56 x 10.5 inches) Weight 464 g (14.92 oz) Weight A64 g (14.92 oz) IMPORTANT: HOBO data loggers require HOBOware software (USB interface cable included w/CD purchase). Brand Onset Product Series U26 Environmental (Outdoor), Field Research, Water Quality	Explanation	Logger	
Battery Download Type Optical Opepth Rating 100 mr (328 ft) Opepth Rating 100 mr (328 ft) Black Delrin®, PVC, EPDM o-rings, Silicone bronze screws; rated for saltwater use bronze screws; rated for saltwater us		Memory	The state of the s
Battery 3.6 V lithium battery; factory replaceable Battery Jife 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) 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		Logging Rate	1 minute to 18 hours
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 screws; rated for saltwater use (1.5 to x 10.5 inches) Weight 464 g (14.92 oz) 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		Time Accuracy	
Download Type Dopth Rating Dopt		Battery	3.6 V lithium battery; factory replaceable
Depth Rating De		Battery Life	3 years (at 5 minute logging)
Wetted Materials Pack Delrin®, PVC, EPDM o-rings, silicone bronze screws; rated for saltwater use		Download Type	Optical
Size Size Size 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 Product Series U26 Environmental (Outdoor), Field Research, Water Quality		Depth Rating	100 m (328 ft)
Weight Weight		Wetted Materials	
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		Size	
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		Weight	464 g (14.92 oz)
included w/CD purchase). Brand Onset Product Series U26 Typical applications Environmental (Outdoor), Field Research, Water Quality		×	complying with all relevant directives in
Onset Product Series U26 Typical applications Environmental (Outdoor), Field Research, Water Quality			HOBOware software (USB interface cable
Typical applications Environmental (Outdoor), Field Research, Water Quality	Brand	Onset HOBO	
	Onset Product Series	U26	
Measurements Dissolved Oxygen, Temperature	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