

Water temperature monitoring in extreme ocean environments



The HOBO U12 Deep Ocean Temperature data logger is designed to track water temperature in the most extreme ocean environments. Built with a virtually indestructible titanium housing, the logger can withstand corrosive saltwater and exposure to extreme temperature and pressure at depths of up to 11,000 meters.

Key Advantages:

- Withstands depths up to 11,000 meters (36,080 feet)
- Extended temperature range: -40° to 125°C
- Fast readout via direct USB interface
- Titanium housing for use in saltwater

Supported Measurements:

- Temperature

Minimum System Requirements:



HOBOConnect



Software



USB Cable

- iOS 11, 12 and 13
- Android 7, 8, 9 and 10
- Bluetooth 4.X and up



Technical Specifications:

Part number	U12-015-03
Memory	43,000 measurements
Sample rate	1 second to 18 hours, user-selectable
Battery life	3 years typical, factory-replaceable
Measurement range	Logging: -40° to 125°C (-40° to 257°F) Launch/Readout: 0° to 50°C (32° to 122°F), per USB specification
Accuracy	± 0.25°C from 0° to 50°C (± 0.45°F from 32° to 122°F)
Resolution (12 bit)	0.02° @ 25°C (0.04° @ 77°F)
Response time	<4 minutes (to 90% in water)
Dimensions	114 x 20.6 mm diameter (4.5 x 0.81 in diameter) 6.4 mm (0.25 in) mounting hole
CE compliant	Yes

HOBOconnect® App for MX Data Loggers

Easy logger setup and data management with your mobile device or Windows computer

Onset's free HOBObconnect app makes it fast and easy to configure compatible HOBO MX Series data loggers (chart below) and manage the collected data. Just download the app from the Apple App Store or Google Play to your mobile device, or download from our website to your Windows computer. With HOBObconnect, you can view data in graphs, check the operational status of loggers, share data files and graph images for analysis in Excel, Numbers, and other applications, plus store data in the cloud. HOBObconnect also lets you quickly set up audible alarm notifications, so you're immediately alerted to any problems.



Features:

- Communicates to HOBO MX data loggers using Bluetooth (LE) technology
- No internet connection required
- Set data logger's name, password, logging rate, alarm threshold, start and stop time
- Automatically upload data to Onset's cloud-based HOBOLink software to store and merge data files
- Configure and clear audible alarms
- Page the data logger
- Quickly download and view data
- Export and share data as CSV, TXT, XLSX, or HOBO files