

U12-015-03

## HOBO Deep Ocean Temperature Data Logger

Discontinued

A single-channel water temperature logger with 12-bit resolution and a robust titanium housing; designed to withstand extreme ocean depths and temperatures.

### Important Information

Requires HOBOWare software and a USB cable. (Note: A USB cable is included w/HOBOWare Pro CD or USB software purchase). See compatible items below.



Compatible with  
**HOBOWare® Software**

[View upgrade options](#)



### Supported Measurements

Temperature, Water Temperature

### Features

- 11,000m depth rating (36,080 ft)
- Extended temperature range: -40 to 125C
- Titanium housing for use in saltwater
- Fast readout via direct USB interface
- Compatible with HOBOWare and HOBOWare Pro software for logger setup and graphing & analysis

### What's in the box

- HOBO U12-015-03 Deep Ocean Temperature Data Logger
- O-Ring replacement kit: four blue O-Rings, four orange backup rings, and silicone-based O-Ring lube

### Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email [sales@onsetcomp.com](mailto:sales@onsetcomp.com)
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Onset Computer Corporation  
470 MacArthur Boulevard  
Bourne, MA 02532

Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

## HOBO Deep Ocean Temperature Data Logger (U12-015-03) Specifications

Logger	
<b>Measurement Range</b>	-40° to 125°C (-40° to 257°F)
<b>Accuracy</b>	±0.22°C at 25°C , see manual for plot (±0.4°F at 77°F , see manual for plot)
<b>Resolution</b>	0.025°C at 25°C , see manual for plot (0.045°F at 77°F , see manual for plot)
<b>Drift</b>	0.05°C/year + 0.1°C/1000 hrs above 100°C (0.09°F + 0.02°F/1000 hrs above 212°F)
<b>Response Time in Water</b>	< 4 minutes, typical to 90%
<b>Time Accuracy</b>	±2 minute per month at 25°C (77°F)
<b>Operating Environment</b>	Air, water, steam, 0 to 100% RH
<b>Operating Temperature</b>	Logging: -40° to 125°C (-40° to 257°F) Launch/Readout: 0° to 50°C (32° to 122°F), per USB specification
<b>Battery Life</b>	3 years typical use, factory replaceable
<b>Memory</b>	64K bytes (43,000 12-bit measurements)
<b>Construction</b>	Titanium with O-ring seals and backup rings
<b>Weight</b>	105 g (3.7 oz)
<b>Size</b>	114 x 20.6 mm diameter (4.5 x 0.81 in. diameter)
<b>Depth Rating</b>	11,000 m (36,080 ft)
<b>Environmental Rating</b>	IP68
<b>NIST Certificate</b>	Available for additional charge; temperature range -30° to 120°C (-22° to 248°F)

