



## HOBO<sup>®</sup> U12-015-03 Data Logger

### Deep Ocean Temperature

The HOBO U12 Deep Ocean Water Temperature Data Logger is a single-channel water temperature logger with 12-bit resolution that can record up to 43,000 measurements. With its robust titanium housing, this logger is designed to withstand ocean extremes of depth and temperature.



#### Key Advantages:

- 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, graphing and analysis

## HOBO U12-015-03 Data Logger Specifications

<b>Measurement Range:</b>	-40° to 125°C (-40° to 257°F)
<b>Accuracy:</b>	±0.22°C at 25°C (±0.4°F at 77°F), see Plot A in manual
<b>Resolution:</b>	0.025°C at 25°C (0.045°F at 77°F), see Plot A in manual
<b>Drift:</b>	0.05°C/year + 0.1°C/1000 hrs above 100°C (0.09°F + 0.2°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), see Plot B in manual
<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>Pressure Rating:</b>	1110 bar (16,000 psi)
<b>NIST Certificate:</b>	Available for additional charge; temperature range -30° to 120°C (-22° to 248°F)
<b>Environmental Rating:</b>	IP68
	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).

## 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

Technical Support (8am to 6pm ET, Monday through Friday)

- ▶ Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)
- ▶ Call 1-508-759-9500
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