

U12-015

## HOBO Stainless Temperature (4,900 ft.) Data Logger

### Call for Availability

An ideal data logger for food, pharmaceutical, autoclave, and other applications where high-accuracy temperature data is critical; also for high-temperature or deep underwater applications.

### 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**



### Supported Measurements

Temperature, Water Temperature

### Features

- Food-grade 316 Series Stainless Steel
- High-accuracy, extended temperature range
- Suitable for high pressure applications to 2200psi
- Fast readout via direct USB interface
- Compatible with HOBOWare and HOBOWare Pro for logger setup and graphing & analysis

### What's in the box

- HOBO U12-015 Stainless Temperature Data Logger
- O-Ring replacement kit

### 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 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

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Bourne, MA 02532

## HOBO Stainless Temperature (4,900 ft.) Data Logger (U12-015) Specifications

Logger	
<b>Measurement Range</b>	-40° to 125°C (-40° to 257°F)
<b>Accuracy</b>	±0.25°C from 0° to 50°C , see manual for plot (±0.45°F from 32° to 122°F , see manual for plot)
<b>Resolution</b>	0.03°C at 25°C , see manual for plot (0.05°F at 77°F , see manual for plot)
<b>Drift</b>	(0.09°F/year + 0.2°F/1000 hrs above 212°F)
<b>Response Time in 1 m/s (2.2 mph) airflow</b>	U12-015: <10 minutes, typical to 90% U12-015-02: 2.25 minutes, typical to 90%
<b>Response Time in Water</b>	U12-015: <3.5 minutes, typical to 90% U12-015-02: 20 seconds, 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 year typical use, factory replaceable
<b>Memory</b>	64K bytes (43,000 12-bit measurements)
<b>Construction</b>	316 series stainless steel, EPDM or Viton O-ring; see Food-Grade Compliance section for additional details
<b>Weight</b>	U12-015: 72 g (2.5 oz) U12-015-02: 82 g (2.9 oz)
<b>Logger Dimensions</b>	17.5 x 101.6 mm (0.69 x 4.00 inches)
<b>Probe Dimensions (U12-015-02 only)</b>	4 x 124 mm (0.16 x 4.90 inches)
<b>Pressure/Depth Rating</b>	2200 psi maximum (1500 m/4900 ft maximum)
<b>NIST Certificate</b>	(-22° to 248°F)

