



# HOBO U12-015 Stainless Steel Data Logger

## Product Images



## Short Description

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The HOBO U12 Stainless Temperature Data Logger is ideal for food, pharmaceutical, autoclave, and other applications where high-accuracy temperature data is critical. With its broad temperature range (-40 to 125C) and food-grade stainless steel housing, the U12 Stainless Temperature Data Logger withstands process conditions from pasteurization to flash freezing and washdown. The U12 Stainless is also ideal for high-temperature or deep underwater applications.

## Highlighted 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, graphing and analysis

NOTE: HOBO loggers require a USB cable and [HOBOWare software](#) (free download).

## Additional Information

Country of Manufacture	United States
Explanation	<p><b>Measurement range:</b> -40° to 125°C (-40° to 257°F) <b>Accuracy:</b> ± 0.25°C from 0° to 50°C (± 0.45°F from 32° to 122°F), see Plot A in manual <b>Resolution:</b> 0.03°C at 25°C (0.05°F at 77°F), see Plot A <b>Drift:</b> 0.05°C/year + 0.1°C/1000 hrs above 100°C (0.09°F/year + 0.2°F/1000 hrs above 212°F) <b>Response time in 1 m/s (2.2 mph) airflow</b> <b>U12-015:</b> &lt; 10 minutes, typical to 90% <b>U12-015-02:</b> 2.25 minutes, typical to 90% <b>Response time in water</b> <b>U12-015:</b> &lt; 3.5 minutes, typical to 90% <b>U12-015-02:</b> 20 seconds, 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> <b>Logging:</b> -40° to 125°C (-40° to 257°F) <b>Launch/readout:</b> 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> Food-grade 316 Series Stainless Steel <b>Weight</b> <b>U12-015:</b> 72 g (2.5 oz) <b>U12-015-02:</b> 82 g (2.9 oz) <b>Logger dimensions:</b> 17.5 x 101.6 mm (0.69 x 4.00 inches) <b>Probe dimensions:</b> (U12-015-02 only): 4 x 124 mm (0.16 x 4.90 inches) <b>Pressure/depth rating:</b> 2200 psi (1500 m/4900 ft) maximum <b>Vibration rating:</b> Navy spec: NAVMAT P-9492 (non-probe model only) The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).</p>
Brand	Onset HOBO
Channel(s)	1
Onset Product Series	U12
Typical applications	Environmental (Outdoor), Field Research, Food Safety, Pasteurization, Product Safety, Water Quality
Measurements	Temperature

Additional Options

Temperature Calibration Certificate	2 Point Temperature Calibration (0°C / 60°C)
	2 Point Temperature Calibration (please specify temperature points)
	1 Point Temperature Calibration (0°C)
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)
USB Cable (included with HOBOWare Pro on USB Drive & CD)	HOBO U-Series to PC USB Cable