

U12-015-02

HOBO 5-Inch Probe Temperature Data Logger

Call for Availability

A stainless-steel 5-inch probe temperature data logger, ideal for monitoring internal temperature of foods or for any application where fast response is critical.

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

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 software for logger setup and graphing & analysis

What's in the box

- HOBO U12-015-02 Stainless Temperature Data Logger
- O-Ring replacement kit
- Five-inch probe

Contact Us

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

- Email 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
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

HOBO 5-Inch Probe Temperature Data Logger (U12-015-02) Specifications

Logger	
Measurement Range	-40° to 125°C (-40° to 257°F)
Accuracy	±0.25°C from 0° to 50°C , see manual for plot (±0.45°F from 32° to 122°F , see manual for plot)
Resolution	0.03°C at 25°C , see manual for plot (0.05°F at 77°F , see manual for plot)
Drift	(0.09°F/year + 0.2°F/1000 hrs above 212°F)
Response Time in 1 m/s (2.2 mph) airflow	U12-015: <10 minutes, typical to 90% U12-015-02: 2.25 minutes, typical to 90%
Response Time in Water	U12-015: <3.5 minutes, typical to 90% U12-015-02: 20 seconds, typical to 90%
Time Accuracy	±2 minute per month at 25°C (77°F)
Operating Environment	Air, water, steam, 0 to 100% RH
Operating Temperature	Logging: -40° to 125°C (-40° to 257°F) Launch/readout: 0° to 50°C (32° to 122°F), per USB specification
Battery Life	3 year typical use, factory replaceable
Memory	64K bytes (43,000 12-bit measurements)
Construction	316 series stainless steel, EPDM or Viton O-ring; see Food-Grade Compliance section for additional details
Weight	U12-015: 72 g (2.5 oz) U12-015-02: 82 g (2.9 oz)
Logger Dimensions	17.5 x 101.6 mm (0.69 x 4.00 inches)
Probe Dimensions (U12-015-02 only)	4 x 124 mm (0.16 x 4.90 inches)
Pressure/Depth Rating	2200 psi maximum (1500 m/4900 ft maximum)
NIST Certificate	(-22° to 248°F)

