



HOBO U12-015-02 Stainless Steel Data Logger with Needle Probe

Product Images



Short Description

The HOBO U12 Stainless 5-inch Probe Temperature Data Logger is ideal for monitoring internal temperature of foods or any application where fast response is critical. This Data Logger is for use in indoor, outdoor and underwater environments.

Description

The HOBO U12 Stainless 5-inch Probe Temperature Data Logger is ideal for monitoring internal temperature of foods or any application where fast response is critical.

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 software for logger setup, graphing and analysis

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

Additional Information

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|------------------------|--|
| Country of Manufacture | United States |
| Explanation | <p>Measurement range: -40° to 125°C (-40° to 257°F) Accuracy: ± 0.25°C from 0° to 50°C (± 0.45°F from 32° to 122°F), see Plot A in manual Resolution: 0.03°C at 25°C (0.05°F at 77°F), see Plot A Drift: 0.05°C/year + 0.1°C/1000 hrs above 100°C (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), see Plot B in manual 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: Food-grade 316 Series Stainless Steel 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 (1500 m/4900 ft) maximum Vibration rating: 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 | Food Safety, Pasteurization, Product Safety, Water Quality |
| Measurements | Temperature |

Additional Options

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| 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 |