

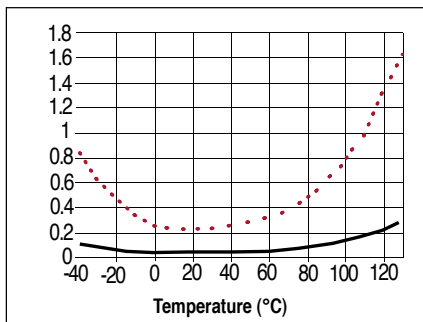
indoor/outdoor

HOBO® U12 Stainless Temp Logger—New!

with Food-Grade Housing and Extended
Temperature Range (-40 to 125°C)

Onset's new HOBO U12 Stainless Temp Logger is ideal for food, pharmaceutical, autoclave, and other applications where high-accuracy temperature data is critical. With its broad temperature range (-40 to 125°C) and food-grade stainless steel housing, the U12 Stainless Temp Logger withstands process conditions from pasteurization to flash freezing and wash-down. The Stainless Temp Logger records up to 43,000 temperature measurements.

Accuracy/Resolution



..... Accuracy
—— Resolution

Features

- Extended temperature range: -40 to 125°C (-40 to 257°F)
- Glass bead thermistor for highly stable readings
- Rugged food-grade 316L stainless steel housing
- Fits in standard beverage bottle necks
- 43,000 temperature readings logged in non-volatile EEPROM memory
- Complete data readout in less than 1 1/2 minutes via direct USB interface
- Pressure housing for autoclaves and underwater to 2200 psi (1500 meters or 4900 feet)
- Easy-to-use GreenLine™ software for logger launch, data readout, and data plotting

Specifications

- Measurement range: -40 to 125°C (-40 to 257°F)
- Accuracy: (See graph)
- Resolution: 12-bit 0.02°C @ 25°C (0.04°F @ 77°F)
- Drift: 0.05°C/yr + 0.1°C/1000 hrs above 100°C
- Response time in water: 3.5 minutes to 90%
- Response time in air moving 1 m/sec: 10 minutes to 90%
- 43,000 12-bit measurements
- Programmable Start time/date
- Construction: 316L Stainless Steel
- Pressure/depth rating: 2200 psi (1500 m/4900 ft) maximum
- Vibration: Tested to NAVMAT P-9492
- Communications: Direct USB interface
- Data readout temperature range: 0 to 50°C (0 to 122°F)
- Battery life: 3 years typical, factory replaceable
- NIST certification available from -30° to 120°C (-22° to 248°F)

U12 Stainless Temp Logger Ordering

Description	Part No.
Stainless Temp Logger	U12-015
GreenLine™ Starter Kit (Windows)	BGL
NIST Traceable Setup	NIST Temp
NIST Pro per point	NIST-TEMP-PRO-POINT
Compliance Certificate	COMPLIANCE-CERT
Factory replacement battery service	FRB-U12-015

Note: A GreenLine™ starter kit is required to operate the U12 Family loggers. Each starter kit includes software, USB interface cable, and software manual.



Size: 17.5 mm diameter x
101.6 mm(0.69" x 4.0")
Weight: 74.5 grams (2.6 oz)

 Compliant with all relevant directives
in the European Union (EU)