

HOBO U12 Deep Ocean Temperature Logger - U12-015-03

Measures:

Temperature, Water Temp

Qty	1-9	10-99	100+
\$US	\$799	\$743	\$679

Contact Onset at 1-800-564-4377



Features:

- 11,000m depth rating (36,080 ft)
- Extended temperature range:- -40 to 125C
- Titanium housing for use in saltwater
- Fast readout via direct USB interface
- Compatible with HOBOWare and HOBOWare Pro software for logger setup, graphing and analysis

Description:

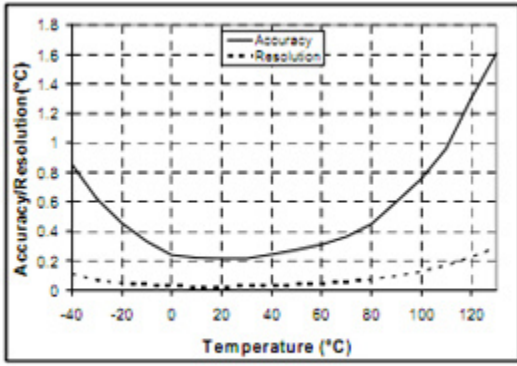
The HOBO U12 Deep Ocean Water Temperature Logger is a single-channel water [temperature](#) logger with 12-bit resolution that can record up to 43,000 measurements. With its robust titanium housing, this logger is designed to withstand ocean extremes of depth and temperature.

Detailed Specifications:

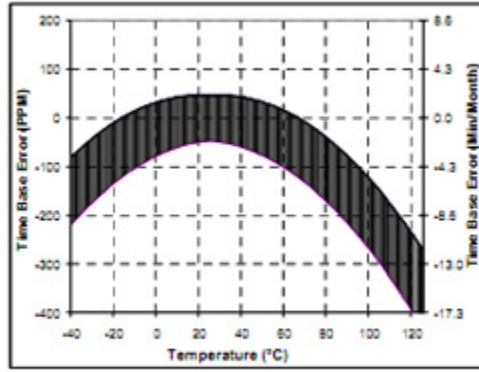
Measurement Range:	-40Â° to 125Â°C (-40Â° to 257Â°F)
Accuracy:	Â±0.22Â°C at 25Â°C (Â±0.4Â°F at 77Â°F), see Plot A below
Resolution:	0.025Â°C at 25Â°C (0.045Â°F at 77Â°F), see Plot A below
Drift:	0.05Â°C/year + 0.1Â°C/1000 hrs above 100Â°C (0.09Â°F + 0.2Â°F/1000 hrs above 212Â°F)
Response Time in Water:	< 4 minutes, typical to 90%
Time Accuracy:	Â±2 minute per month at 25Â°C (77Â°F), see Plot B below
Operating Environment:	Air, water, steam, 0 to 100% RH
Operating Temperature:	Logging: -40Â° to 125Â°C (-40Â° to 257Â°F) Launch/Readout: 0Â° to 50Â°C (32Â° to 122Â°F), per USB specification
Battery Life:	3 years typical use, factory replaceable
Memory	64K bytes (43,000 12-bit measurements)
Construction	Titanium with O-ring seals and backup rings
Weight	105 g (3.7 oz)
Size:	114 x 20.6 mm diameter (4.5 x 0.81 in. diameter)
Depth Rating:	11,000 m (36,080 ft)
Pressure Rating:	1110 bar (16,000 psi)
Vibration Rating:	Navy spec: NAVMAT P-9492
NIST Certificate:	Available for additional charge; temperature range -30Â° to 120Â°C (-22Â° to 248Â°F)



The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).



Plot A



Plot B

HOBO® Data Loggers

1-800-LOGGERS