



UTBI-001

HOBO TidbiT v2 Water Temperature Data Logger

Max Depth 1,000 ft

Only 3x4 cm, the tiny waterproof TidbiT v2 data logger measures temperatures over a wide range, providing 12-bit resolution and ± 0.2 °C accuracy.

Important Information

Requires HOBOWare software and either an Optic USB Base Station or HOBO Waterproof Shuttle (U-DTW-1). HOBOWare Pro is required when using the HOBO Waterproof Shuttle. See compatible items below.



Compatible with
HOBOWare[®] Software

Supported Measurements

Soil Temperature, Temperature, Water Temperature

Features

- Onset's smallest temperature data logger
- Waterproof to 300 meters (1,000 feet)
- Data readout in less than 30 seconds via fast Optic USB interface

What's in the box

- TidbiT v2 (UTBI-001) Temperature Data Logger

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

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

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Bourne, MA 02532

HOBO TidbiT v2 Water Temperature Data Logger (UTBI-001) Specifications

Temperature Sensor

Operation Range*	-20° to 70°C in air; (-4° to 158°F in air); maximum sustained temperature of 30°C (86°F) in water*
Accuracy	±0.21°C from 0° to 50°C , see manual for plot (±0.38°F from 32° to 122°F , see manual for plot)
Resolution	0.02°C at 25°C , see manual for plot (0.04°F at 77°F , see manual for plot)
Response Time	5 minutes in water; 12 minutes in air moving 2 m/sec; 20 minutes in air moving 1 m/sec (typical to 90%)
Stability (Drift)	0.1°C per year (0.18°F per year)

Logger

Real-time Clock	±1 minute per month 0° to 50°C (32° to 122°F)
Battery	3 Volt lithium, non-replaceable
Battery Life (Typical Use)	5 years with 1 minute or greater logging interval
Memory (Non-volatile)	64K bytes memory (approx. 42,000 12-bit temperature measurements)
Weight	19.6 g (0.69 oz)
Dimensions	3.0 × 4.1 × 1.7 cm (1.2 × 1.6 × 0.68 in.); mounting bail 4.6 mm (3/16 in.) diameter hole
Wetted Materials	Epoxy case
Waterproof	To 305 m (1000 ft.)
Logging Interval	Fixed-rate or multiple logging intervals, with up to 8 user-defined logging intervals and durations; logging intervals from 1 second to 18 hours. Refer to HOBOWare software manual.
Launch Modes	Immediate start, delayed start, triggered start
Offload Modes	Offload while logging; stop and offload
Battery Indication	Battery level can be viewed in status screen and optionally logged in datafile. Low battery indication in datafile.
Environmental Rating	IP68
NIST Certificate	Available for additional charge

