



TidbiT[®] v2 Temp Logger

Small, durable logger for measuring water temperature

Onset's smallest data logger, the TidbiT v2, has 12-bit resolution and a precision sensor for $\pm 0.2^{\circ}\text{C}$ accuracy over a wide temperature range. It is waterproof to 300 meters (1,000 feet) and can be used in a wide range of water temperature monitoring applications.

Supported Measurements: Temperature

Key Advantages:

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

Minimum System Requirements:



Software



Base Station*



Coupler¹



*HOBO Base Station or HOBO Waterproof Shuttle required. See pages 45-46 for more details.

¹Coupler included with HOBO Base Station or HOBO Waterproof Shuttle.

► For complete information and accessories, please visit: www.onsetcomp.com

| | |
|---------------------------|---|
| Part number | UTBI-001 |
| Temperature Sensor | |
| Operation range | -20° to 70°C (-4° to 158°F) in air; maximum sustained temperature of 30°C (86°F) in water** |
| Accuracy | ± 0.21°C over 0° to 50°C (± 0.38°F over 32° to 122°F) |
| Resolution | 0.02°C at 25°C (0.04°F at 77°F) |
| 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 (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 | 5 years with 1 minute or greater logging interval |
| Memory | 42,000 measurements |
| Waterproof | To 305 m (1,000 ft) |
| 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 |
| CE compliant | Yes |

**To guarantee accuracy, the Tidbit v2 Temp must not be used in condensing environments and water temperatures higher than 30°C (86°F) for more than eight cumulative weeks over the life of the logger. Frequent or prolonged exposure will lead to measurement drift and eventual failure.

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 8pm ET, Monday through Friday)

- Contact Product Support onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

Onset Computer Corporation
470 MacArthur Boulevard
Bourne, MA 02532