



HOBO UTBI-001 Tidbit v2 Waterproof Temperature Logger

Product Images



Short Description

Only 3 x 4 cm, this tiny data logger measures temperatures over a wide temperature range. The TidbiT v2 provides 12-bit resolution and has ± 0.2 °C accuracy. It is designed for outdoor and underwater environments and is waterproof to 300 m (1000 ft). An optical USB interface allows users to offload data in seconds. Please note, a solar radiation shield such as the [HOBO RS1](#) is required to obtain accurate air temperature measurements in sunlight.

Description

Highlighted Features

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

IMPORTANT: HOBO data loggers require either the [BASE-U-4](#) or the [U-DTW-1](#) Data Shuttle to offload data and launch loggers.

HOBO loggers require [HOBOWare software](#) (free download).

Additional Information

Country of Manufacture	United States
Brand	Onset HOBO
Measurements	Temperature, Water Temperature
Typical applications	Environmental (Outdoor), Food Safety, Water Quality
Onset Product Series	TidbiT
Explanation	<p>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 from 0° to 50°C (±0.38°F from 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</p> <p>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 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.</p>
Ideal For	Professional, Agronomy
Power	Battery only

Additional Options

Connectivity Options	HOBO Universal Optic USB Base Station Base-U-4 (includes Couplers)
	Waterproof Optic Data Shuttle U-DTW-1 (requires HOBOWare Pro)
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