



## TidbiT v2 Temp Logger

**UTBI-001**

3.0 x 4.1 x 1.7 cm

(1.2 x 1.6 x 0.65 in)

hole in mounting bail 4.6 mm (0.19 in)

23 g (0.8 oz)



**Protective Boot  
BOOT-TIDBIT-WH**



**Protective Boot  
BOOT-TIDBIT-BK**

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 and is waterproof to 300m (1000 ft).

## Key Advantages:

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

Memory: 42,000 measurements

Sample rate: 1 second to 18 hours, fixed - or multiple-rate  
up to 8 user-defined sampling intervals

Battery life: 5 years (typical) — non-replaceable



Measurement

range:  $-20^{\circ}$  to  $70^{\circ}\text{C}$  ( $-4^{\circ}$  to  $158^{\circ}\text{F}$ ) in air

$-20^{\circ}$  to  $30^{\circ}\text{C}$  ( $-4^{\circ}$  to  $86^{\circ}\text{F}$ ) in water

Accuracy:  $\pm 0.21^{\circ}\text{C}$  from  $0^{\circ}$  to  $50^{\circ}\text{C}$  ( $0.36^{\circ}\text{F}$  from  $32^{\circ}$  to  $122^{\circ}\text{F}$ )

Resolution (12-bit):  $0.02^{\circ}\text{C}$  @  $25^{\circ}\text{C}$  ( $0.04^{\circ}\text{C}$  @  $77^{\circ}\text{F}$ )

Response time: 20 minutes (to 90% in airflow of 1 m/s)  
5 minutes (to 90% in water)

***NIST-traceable temperature accuracy  
certification service available. (See page 72).***



***BASE-U-4 or U-DTW-1 is required with this logger (coupler is included)***

*Complete system requires logger, software and base station or waterproof shuttle.*

## Ordering Information

### Data Logger

HOB0 TidbiT v2 Temp

UTBI-001

### Software

HOB0ware Pro Software (Windows/Mac)

BHW-PRO-CD

HOB0ware Lite Software (Windows/Mac)

BHW-LITE-CD

Optic USB Base Station with Couplers\*

BASE-U-4

### Optional Communications and Accessories

HOB0 U-Shuttle (requires Base Station)

U-DT-1

HOB0 Waterproof Shuttle with Couplers\*

U-DTW-1

Solar Radiation Shield\*\*

RS1

Protective Boot 5-pack, black

BOOT-TIDBIT-BK

Protective Boot 5-pack, white

BOOT-TIDBIT-WH

\* HOB0 Waterproof Shuttle can also be used as a Base Station.

(See pages 70-71 for details on Data Shuttles and Base Stations)

Requires HOB0ware Pro software. See page 52 for details

\*\* Accurate temperature measurement in sunlight requires a radiation shield.

***HOB0ware software is available for download via the web. Visit [onsetcomp.com](http://onsetcomp.com) for details.***

Supplied in Australia by Instrument Choice  
Call our scientists on 1300 737 871  
[www.instrumentchoice.com.au](http://www.instrumentchoice.com.au)