

# ● Measurement Control and Datalogging Technology ●



Base Station



Protective Boot



TidbiT v2 Data Logger

## HOBO TidbiT v2 Temperature Data Logger

The **tiny** TidbiT v2 Temperature Logger has 12-bit resolution and a precision sensor for  $\pm 0.2^{\circ}\text{C}$  accuracy over a wide temperature range. This new v2 version has more memory than the original StowAway Tidbit logger and communicates through the Optic Base Station or the HOBO Waterproof Shuttle. Rugged and waterproof to 300 metres the TidbiT v2 has an optic interface for data offload in the field, even when the logger is wet.

### Features and Specifications

- Measurement Range \* :  $-20$  to  $+30^{\circ}\text{C}$  in water  
 $-20$  to  $+70^{\circ}\text{C}$  in air
- Waterproof: to 300 metres
- Accuracy:  $\pm 0.2^{\circ}\text{C}$  (over range 0 to  $+50^{\circ}\text{C}$ )
- Resolution:  $0.02^{\circ}\text{C}$  at  $25^{\circ}\text{C}$
- Time Accuracy:  $\pm 1$  minute per month
- Memory: Approximately 42,000 12-bit measurements
- 12-bit resolution. •  $\pm 0.2^{\circ}\text{C}$  accuracy and precision
- Real-time clock for better than  $\pm 1$  min/month accuracy
- Response time (to 90%): 5 minutes in water, 12 minutes in air moving at 2m/sec
- Uses HOBOWare software for launch/data retrieval
- Programmable start time/date
- User- selectable sampling interval: 1sec to 18 hrs
- Non-volatile EEPROM memory retains data
- Memory Modes: Stop when full
- Data offload: Readout full logger in less than 30 seconds while logging or stopped
- Offload data, check logger and battery status while logging using HOBOWare software
- Blinking LED confirms operation
- Battery lasts 5 years (typical life – not replaceable)
- Battery level indicator at launch
- Optional protective boot for added protection
- Drop proof to 1.5 m (with protective boot)
- Size/Weight: 30 x 41 x 17mm / 23 g

\* Not for prolonged exposure in chlorinated water  
\*\* HOBO Waterproof Shuttle can be used as a base station

Using TidbiT v2 loggers in wet environments over  $30^{\circ}\text{C}$  for 8 weeks or more may lead to premature failure. For applications over  $30^{\circ}\text{C}$  use the HOBO Water Temp Pro v2 (Part No. U22 – 001)

### Order Information

TidbiT v2 Temp Logger  
HOBOWare Pro Software (Windows) (includes USB cable & communication)  
HOBOWare Pro Software (MAC) (includes USB cable & communication)  
HOBOWare Lite Software (Windows/MAC) (includes USB cable & communication)  
Optic USB Base Station  
HOBO Waterproof Shuttle \*\*  
Protective Boot – Black (5-pack)  
Protective Boot – White (5-pack)

### Part No

UTBI-001  
BHW-PC  
BHW-MAC  
BHW-PC  
BASE-U-4  
U-DTW-1  
BOOT-TIDBIT-BK  
BOOT-TIDBIT-WH