

# Specialty Data Loggers

The preceding pages contain Onset's newest and most cost-effective data loggers. Onset also offers other HOBO® and StowAway® data loggers for specialized applications.

## Square-box Data Logger Features

Non-volatile EEPROM memory retains data even when the battery is removed

Battery life: 2 year, user replaceable

Size: 45.7 mm tall x 30.5 mm wide x 15 mm thick  
(1.8" tall x 1.2" wide x 0.6" thick)

Submersible cases are available for Onset's "square-box" temperature and light intensity loggers. Dome-style subcases are waterproof to 100' and specialty subcases are waterproof to 400'; they sell for \$25 to \$35 (see pg. 16).

## HOBO Family Features

Single-channel model features available with:

Wider light intensity range

Atmospheric pressure logging

Blinking LED confirms operation

## StowAway Family Features

Single-channel models available with:

2K, 8K or 32K memory capacities, storing 1500, 7944 or 32,520 measurements

Alarms

Multiple sampling with minimum, maximum or averaging

Blinking LED confirms operation

Push-button triggered start

## Square-box HOBO Data Loggers

### HOBO Temperature Logger with Internal Sensor

Internal temperature logger measures three ranges:  
-5° to 37°C, -37° to 46°C, -39° to 75°C

### HOBO Temperature Logger with External Temperature Probe

External probe measures three standard ranges:  
-5° to 37°C, -37° to 46°C, -39° to 123°C  
Standard cable lengths: 1', 2', 6'

### HOBO Light Intensity Logger

Calibration ranges from less than 0.01 lumens/square foot to over 10,000 lumens/square foot  
Wide spectral response  
Wide dynamic range

### HOBO Pressure Logger

Pressure ranges: 0.5 to 16 psia; 30 to 1100 millibars; 1 to 33 inHg  
Altitude ranges: 0 to 32K meters, 0 to 32K feet

## Square-box StowAway Data Loggers

### StowAway Internal Temperature Logger with Optional External Sensor

External sensor measures three ranges: -5° to 37°C, -37° to 46°C, -39° to 122°C  
Internal sensor overridden by external sensor when plugged in  
Standard external thermistor sensor lengths of 1', 2', 6'

### StowAway Light Intensity Logger

Calibration ranges from less than 0.001 lumens/square foot to over 1000 lumens/square foot  
Wide spectral response and wide dynamic range

### StowAway Relative Humidity Logger

Accuracy ±5% tolerance at room temperature  
Alarm indication

## Specialty Data Logger Ordering

| Description  | Part No.     |
|--|--------------|
| 2K HOBO Temperature logger with internal temperature sensor                |              |
| -5° to 37°C  | HTI-05+37    |
| -37° to 46°C   | HTI-37+46    |
| -39° to 75°C   | HTI-39+75    |
| 2K HOBO Temperature logger with external temperature sensor*               |              |
| -5° to 37°C  | HTEA-05+37   |
| -37° to 46°C   | HTEA-37+46   |
| -39° to 123°C  | HTEA-39+123  |
| 2K HOBO Light Intensity logger (0.01 to ≈10K lumens/sq ft)                 | HLI          |
| 2K HOBO Pressure logger (0 to 15 PSIA)                                     | HPA-0015     |
| 8K StowAway Temperature logger with internal or optional external sensor*  |              |
| -5° to 37°C  | XTI08-05+37  |
| -37° to 46°C   | XTI08-37+46  |
| -39° to 122°C  | XTI08-39+122 |
| 32K StowAway Temperature logger with internal or optional external sensor* |              |
| -5° to 37°C  | XTI32-05+37  |
| -37° to 46°C   | XTI32-37+46  |
| -39° to 122°C  | XTI32-39+122 |
| External Thermistor Cable (for HTI and HTEA loggers only)                  |              |
| w/1 ft cable   | TMC1-IT      |
| w/2 ft cable   | TMC2-IT      |
| w/6 ft cable   | TMC6-IT      |
| w/50 ft cable  | TMC50-IT     |
| StowAway Relative Humidity logger (5 to 95% RH non-condensing)             |              |
| 8K   | SRHA08       |
| 32K  | SRHA32       |
| StowAway Light Intensity logger (0.001 to ≈ 1000 lumens/sq ft)             |              |
| 8K   | SLA08        |

\*Purchased separately