

HOBO Pendant Loggers

Low-cost data logging solution for temperature, light, and more



HOBO Pendant data loggers are economical, weatherproof, and waterproof temperature data loggers designed for a variety of short- and long-term monitoring applications.

Supported Measurements:

Temperature, Light Intensity, Tilt, Acceleration

Key Advantages:

- Low-cost temperature, light intensity, and acceleration loggers
- Waterproof housing for wet or underwater use
- Data readout in less than 30 seconds via Optic USB interface

Minimum System Requirements:



Software
See pg 37



Base Station*
See pg 48

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

| Part number | UA-001-08 | UA-001-64 | UA-002-08 | UA-002-64 | UA-004-64 ¹ |
|-----------------------|---|-------------|--------------------|---------------------|--|
| Memory (measurements) | 6,500 temp | 52,000 temp | 3,500 temp & light | 28,000 temp & light | 64,000 accel 32,000 tilt 21,333 motion |
| Sample rate | 1 second to 18 hours, user-selectable | | | | 100 per second |
| Battery life | 1 year typical, user-replaceable, CR2032 | | | | |
| Water Depth Rating | 30 m from -20 to 20°C (100 ft from -4° to 68°F) | | | | |
| | Temperature | | | | |
| Measurement range | -20° to 70°C (-4° to 158°F) in air, -20° to 50°C (-4° to 122°F) in water | | | | |
| Accuracy | ± 0.53°C from 0° to 50°C (± 0.95°F from 32° to 122°F) | | | | |
| Resolution (10-bit) | 0.14°C @ 25°C (0.25°F @ 77°F) | | | | |
| Response time | 10 minutes (to 90% in airflow of 2 m/s), 5 minutes (to 90% in water) | | | | |
| | Light intensity | | | | |
| Range | 0-323,000 lumens/m ² [0-30,000 foot candles (lumens/ft ²)] | | | | |
| | Acceleration | | | | |
| Measurement range | ± 3 G | | | | |
| Accuracy | ±2.5% FS @ 25°C (77°F)—Factory-calibrated | | | | |
| Resolution (8-bit) | 0.02 G | | | | |
| | Tilt/Motion | | | | |
| Measurement range | ± 3 G | | | | |
| Accuracy | ±2.5% FS @ 25°C (77°F)—Factory-calibrated | | | | |
| Resolution (8-bit) | ±4.3° @ 90° to ±13° @ 0° and 180° | | | | |
| Dimensions | 5.8 x 3.3 x 2.3 cm (2.3 x 1.3 x 0.9 in) | | | | |
| CE compliant | Yes | | | | |

*HOBO Base Station or HOBO Waterproof Shuttle required. See pages 47-48 for more details.

¹For more details, see page 19