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

**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 fast Optic USB interface

**Temperature**
- Memory: UA-001-08 — 6,500 temperature measurements
  UA-001-64 — 52,000 temperature measurements
  UA-002-08 — 3,500 temperature & light measurements
  UA-002-64 — 28,000 temperature & light measurements
- Sample rate: 1 second to 18 hours, user-selectable
- Battery life: 1-year (typical)—user-replaceable
- Water Depth Rating: 30m from -20 to 20°C (100’ from -4° to 68°F)
- Measurement range: -20° to 70°C (-4° to 158°F) in air
  -20° to 50°C (-4° to 122°F) in water
- Accuracy: ± 0.54°C from 0° to 50°C (0.97°F from 32° to 122°F)
- Resolution (10-bit): 0.1° @ 25°C (0.2° @ 77°F)
- Response Time: 15 minutes (to 90% in airflow of 1 m/s)
  5 minutes (to 90% in water)
- NIST-traceable temperature accuracy certification available.

**Light Intensity**
- UA-002-08 & UA-002-64 only
- Designed for general purpose measurement of relative light levels
- Range: 0-323,000 lumens/m² [0-30,000 footcandles (lumens/ft²)]

**HOBO Pendant G**
- Memory: UA-004-64 — 64,000 1-axis measurement
  — 32,000 2-axes measurements
  — 21,333 3-axes measurements
- Sample rate: 100 per second (100 Hz) to 18 hours, user-selectable
- Battery life: 1-year (typical)—user-replaceable
- Operating range: -20° to 70°C (-4° to 158°F) in air
  -20° to 50°C (-4° to 122°F) in water

**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: 0° to 180° from vertical
- Accuracy: ±4.3° @ 90° to ±22.3° @ 0° and 180°
- Resolution (8-bit): ±4.3° @ 90° to ±13° @ 0° and 180°
### HOBO Pendant Loggers

#### HOBO Pendant Comparison

<table>
<thead>
<tr>
<th></th>
<th>Temperature w/ Alarm Logger</th>
<th>Temperature w/ Alarm Logger</th>
<th>Temperature/ Light Logger</th>
<th>Temperature/ Light Logger</th>
<th>Acceleration/ Tilt/Motion</th>
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<tbody>
<tr>
<td></td>
<td>UA-001-08</td>
<td>UA-001-64</td>
<td>UA-002-08</td>
<td>UA-002-64</td>
<td>UA-004-64</td>
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<td>3</td>
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<tr>
<td>Size</td>
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<td>Hole in mounting bail</td>
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</tbody>
</table>

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

#### Ordering Information

**Data Loggers**
- HOBO Pendant Temperature w/Alarm, 8k: UA-001-08
- HOBO Pendant Temperature w/Alarm, 64k: UA-001-64
- HOBO Pendant Temperature w/Light, 8k: UA-002-08
- HOBO Pendant Temperature w/Light, 64k: UA-002-64
- HOBO Pendant Acceleration/Tilt/Motion: UA-004-64

**Software**
- HOBOware Pro Software (Windows/Mac): BHW-PRO-CD
- Pendant Base Station**: BASE-U-1

**Optional Communications and Accessories**
- HOBO U-Shuttle (requires Base Station)*: U-DT-1
- HOBO Waterproof Shuttle with Couplers*: U-DTW-1
- Solar Radiation Shield***: M-RSA

* Requires HOBOware Pro software.

** HOBO Waterproof Shuttle or Optic USB Base Station (BASE-U-4) may be used instead of the Pendant Base Station (BASE-U-1).

*** Accurate temperature measurements in sunlight require a radiation shield.

HOBOware includes USB interface cable.

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**Sales & Support:**
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