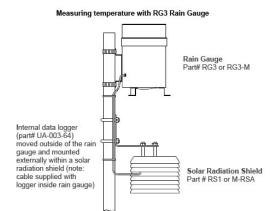




# HOBO UA-003-64 Pendant Event & Temperature Logger

## Product Images



## Short Description

The HOBO Pendant Event data logger records momentary contact events, and temperature between -20°C and +70°C.

## Description

The HOBO Pendant Event data logger records momentary contact events, and temperature between -20°C and +70°C. Event data is only stored when it occurs, which results in efficient use of memory. Temperature data is stored at user-defined time intervals.

- Ideal for recording rainfall with tipping-bucket rain gauges
- Records tips or momentary contact closures and temperature

- Event-based data storage provides detailed data and efficient memory usage
- Stores over 16,000 tips (160 in. of rainfall with a 0.01 in. rain gauge)
- Includes scaling to inches, millimeters or other units

For a self-contained rainfall logger, see the [HOB0 RG3](#) which includes a data logger integrated into a tipping-bucket rain gauge.

There are 2 ways to launch the data logger and offload the data:

- Using an Optic Base Station with USB interface, and free HOBOWare (Windows/Mac) software.
- Via a Shuttle and HOBOWare Pro software. The advantage of this method is that you can launch and offload multiple pendants using the shuttle without the need to take your laptop/PC to each pendant. This is particularly useful for field research.

Explanation	<p><b>External Event Input</b> <b>Event sensor:</b> Two-wire interface suitable for measuring mechanical and electrical contact closures <b>Maximum input frequency:</b> 1 Hz (1 pulse per second) <b>Lockout time:</b> 500 ms <b>Minimum pulse width:</b> 1 ms (hardware debounce) <b>Input/output impedance:</b> 100 kΩ <b>Edge detection:</b> Falling edge, contact closure, or Schmitt-trigger buffer <b>Preferred switch type:</b> Normally open. For maximum battery life, the event input should be used with its preferred switch type. The logger will work with normally closed switches, but battery life will be compromised. <b>Open circuit input voltage:</b> Battery voltage; nominally 3.0 V <b>Maximum input voltage:</b> Battery voltage + 0.3 V <b>User connection:</b> 24 AWG, 2 leads: white (+), black (-) <b>✖ Temperature Measurement</b> <b>Measurement range:</b> -20° to 70°C (-4° to 158°F) <b>Accuracy:</b> ± 0.53°C from 0° to 50°C (± 0.95°F from 32° to 122°F), see Plot A. A solar radiation shield is required for accurate temperature measurements in sunlight. <b>Resolution:</b> 0.14°C at 25°C (0.25°F at 77°F), see Plot A <b>Drift:</b> Less than 0.1°C/year (0.2°F/year) <b>Response time:</b> Airflow of 2 m/s (4.4 mph): 10 minutes, typical to 90% <b>Logger</b> <b>✖ Time accuracy:</b> ± 1 minute per month at 25°C (77°F), see Plot B <b>Operating range:</b> -20° to 70°C (-4° to 158°F) <b>Environmental rating:</b> Tested to NEMA 6 and IP67; suitable for deployment outdoors <b>Drop specification:</b> 1.5 m (5 ft) onto concrete <b>NIST traceable certification:</b> Available for temperature only at additional charge; temperature range -20° to 70°C (-4° to 158°F) <b>Battery:</b> CR-2032 3V lithium battery; 1 year typical use <b>Memory:</b> 64K bytes <b>Materials:</b> Polypropylene case; stainless steel screws; Buna-N o-ring; PVC cable insulation <b>Weight:</b> 50 g (1.7 oz.) <b>Dimensions:</b> 71 x 33 x 23 mm (2.8 x 1.3 x 0.9 inches); 1.8 m (6 ft) cable The CE Marking identifies this product as complying with the relevant directives in the European Union (EU).</p>
Contents	<ul style="list-style-type: none"><li>• HOBO UA-003-64 Pendant Data Logger</li><li>• Tie wraps</li><li>• Adhesive mount</li></ul>
Brand	Onset HOBO
Channel(s)	2

Onset Product Series	Pendant (UA)
Typical applications	Environmental (Outdoor), Field Research
Measurements	Event, Rainfall, Temperature

## Additional Options

---

<b>Connectivity Options</b>	HOBO Universal Optic USB Base Station Base-U-4 (includes Couplers)
	Waterproof Optic Data Shuttle U-DTW-1 (requires HOBOWare Pro)
<b>Temperature Calibration Certificate</b>	2 Point Temperature Calibration (0°C / 60°C)
	2 Point Temperature Calibration (please specify temperature points)
	1 Point Temperature Calibration (0°C)
<b>HOBOWare Pro Software Options</b>	HOBOWare Pro on USB Drive (USB Cable Included)
	HOBOWare Pro on CD (USB Cable Included)
	HOBOWare Pro - Download Only (USB Cable NOT Included)