



# HOBO UA-001-64 Pendant Waterproof Temperature Logger (64K Byte Memory)

## Product Images



## Short Description

HOBO Pendant loggers are miniature, water resistant, low cost temperature loggers with alarm indication for use in a wide range of applications.

## Description

A miniature, waterproof one-channel temperature data logger, this model is value-priced for short-term

shipping applications or long-term deployment. Data logger alarm LEDs flash if temperatures have exceeded user-set levels and delay options, and provide visible verification that temperatures have been within the desired range throughout deployment. This 64K model stores approximately 52K of 10-bit temperature readings. For accurate temperature measurement in sunlight, use with a solar radiation shield such as the [HOBO RS1](#).

There are two ways to launch the data logger and offload the data (see Connectivity Options below):

- Using an Optic Base Station with USB interface, and [HOBOWare \(FREE\)](#) (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.

**Operating range:**

In water/ice: -20° to 50°C (-4° to 122°F)

In air: -20° to 70°C (-4° to 158°F)

# Additional Information

Country of Manufacture	United States
Brand	Onset HOBO
Measurements	Temperature, Water Temperature
Typical applications	Building Monitoring, Environmental (Indoor), Environmental (Outdoor), Field Research, Thermal Comfort, Water Quality
Onset Product Series	<p>Pendant (UA)</p> <p><b>Measurement range:</b> -20° to 70°C (-4° to 158°F) <b>Alarms:</b> High and low alarms can be configured for total amount of contiguous or non-contiguous time outside of user-defined limits between -20° and 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 in manual <b>Resolution:</b> Temperature: 0.14°C at 25°C (0.25°F at 77°F), see Plot A in manual <b>Drift:</b> Less than 0.1°C/year (0.2°F/year) <b>Environmental Rating:</b> Top end: NEMA 6, IP67; Sensor end: IP68 <b>Response Time</b> <b>Airflow of 2 m/s (4.4 mph):</b> 10 minutes, typical to 90% <b>Water:</b> 5 minutes, typical to 90% <b>Time accuracy:</b> ± 1 minute per month at 25°C (77°F), see Plot B in manual <b>Operating Range</b> <b>In water/ice:</b> -20° to 50°C (-4° to 122°F) <b>In air:</b> -20° to 70°C (-4° to 158°F)</p>
Explanation	<p><b>Water depth rating:</b> 30 m from -20° to 20°C (100 ft from -4° to 68°F), see Plot C in manual <b>NIST traceable certification:</b> Available for temperature only at additional charge; temperature range -20° to 70°C (-4° to 158°F) <b>Battery life:</b> 1 year typical use <b>Battery Type:</b> CR2032</p> <p><b>Memory</b> <b>UA-001-08:</b> 8K bytes (approximately 6.5K sample and event readings) <b>UA-001-64:</b> 64K bytes (approximately 52K sample and event readings) <b>Materials:</b> Polypropylene case; stainless steel screws; Buna-N o-ring <b>Weight:</b> 15.0 g (0.53 oz) <b>Dimensions:</b> 5.8 x 3.3 x 2.3 (centimeters) and 2.3 x 1.3 x 0.9 (inches) <b>Environmental Rating:</b> IP68</p> <p>The CE Marking identifies this product as complying with the relevant directives in the European Union (EU).</p>

Ideal For	Professional, Agronomy
Power	Battery only

## Additional Options

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