



# DISCONTINUED: HOBO UA-002-08 Pendant Waterproof Temperature & Light Intensity Logger (8k Byte Memory)

## Product Images



## Short Description

HOBO Pendant loggers are miniature, water resistant, low cost units measuring temperature and light intensity for use in a wide range of applications including environmental and product monitoring.

## Description

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This HOBO Pendant® data logger is a miniature, waterproof two-channel temperature and relative light level data logger. The 8K model comes at a great value and is suitable for indoor, outdoor, and underwater applications. This logger holds approximately 6.5K of 10-bit readings. Pendant logger can be used for short term transport monitoring or year-long deployment. For accurate temperature measurement in sunlight, use with a solar radiation shield such as the [HOBO RS1](#). Note that using a solar radiation shield prevents the use of the light sensor.

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.

## Additional Information

Country of Manufacture	United States
Explanation	<p><b>Measurement Range</b> <b>Temperature:</b> -20° to 70°C (-4° to 158°F) <b>Light:</b> 0 to 320,000 lux (0 to 30,000 lumens/ft<sup>2</sup>)</p> <p><b>Accuracy</b> <b>Temperature:</b> ± 0.53°C from 0° to 50°C (± 0.95°F from 32° to 122°F), see Plot A in manual <b>Light intensity:</b> Designed for measurement of relative light levels, see Plot D in manual for light wavelength response</p> <p><b>Resolution</b> <b>Temperature:</b> 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)</p> <p><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</p> <p><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) <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-002-08:</b> 8K bytes (approximately 3.5K combined temperature and light readings or events) <b>UA-002-64:</b> 64K bytes (approximately 28K combined temperature and light readings or events) <b>Materials:</b> Polypropylene case; stainless steel screws; Buna-N o-ring <b>Weight:</b> 18 g (0.6 oz) <b>Dimensions:</b> 58 x 33 x 23 mm (2.3 x 1.3 x 0.9 inches) <b>Environmental Rating:</b> IP68 The CE Marking identifies this product as complying with the relevant directives in the European Union (EU).</p>
Brand	Onset HOBO
Channel(s)	2
Onset Product Series	Pendant (UA)
Typical applications	Environmental (Indoor), Environmental (Outdoor), Field Research, Water Quality
Measurements	Light Intensity, Light On/Off, Temperature, Water Temperature

## Additional Options

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<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)