

UA-002-64

## HOBO Pendant Temperature/Light 64K Data Logger

A miniature, value-priced, waterproof data logger for temperature and light monitoring applications; stores 52K measurements.

### Important Information

Requires HOBOWare software and either an Optic USB Base Station or a HOBO Waterproof Shuttle (U-DTW-1). HOBOWare Pro is required when using the HOBO Waterproof Shuttle. See compatible items below.



Compatible with  
**HOBOWare<sup>®</sup> Software**



### Supported Measurements

Light (water), Temperature

### Features

- Low-cost temperature with alarm indication or light intensity
- Waterproof housing for wet or underwater use
- Data readout in less than 30 seconds via fast Optic USB interface

### Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email [sales@onsetcomp.com](mailto:sales@onsetcomp.com)
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)
- Call 1-508-759-9500
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## HOBO Pendant Temperature/Light 64K Data Logger (UA-002-64) Specifications

### Measurement Range

**Temperature:** -20° to 70°C (-4° to 158°F)

**Light:** 0 to 320,000 lux (0 to 30,000 lumens/ft<sup>2</sup>)

### Accuracy

**Temperature:** ± 0.53°C from 0° to 50°C (± 0.95°F from 32° to 122°F), see Plot A in manual

**Light intensity:** Designed for measurement of relative light levels, see Plot D for light wavelength response

### Resolution

**Temperature:** 0.14°C at 25°C (0.25°F at 77°F), see Plot A in manual

**Drift:** Less than 0.1°C/year (0.2°F/year)

### Response Time

**Airflow of 2 m/s (4.4 mph):** 10 minutes, typical to 90%

**Water:** 5 minutes, typical to 90%

**Time accuracy:** ± 1 minute per month at 25°C (77°F), see Plot B in manual

### Operating Range

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

**In air:** -20° to 70°C (-4° to 158°F)

**Water depth rating:** 30 m from -20° to 20°C (100 ft from -4° to 68°F), see Plot C in manual

**NIST traceable certification:** Available for temperature only at additional charge; temperature range -20° to 70°C (-4° to 158°F)

**Battery life:** 1 year typical use; deployments in extremely cold or hot temperatures, or logging intervals faster than one minute, may significantly reduce battery life

**Battery Type:** CR2032

### Memory

**UA-002-08:** 8K bytes (approximately 3.5K combined temperature and light readings or events)

**UA-002-64:** 64K bytes (approximately 28K combined temperature and light readings or events)

**Materials:** Polypropylene case; stainless steel screws; Buna-N O-ring

**Weight:** 18 g (0.6 oz)

**Dimensions:** 58 x 33 x 23 mm (2.3 x 1.3 x 0.9 inches)

**Environmental Rating:** IP68; not rated for use in direct sun. If you need a logger that can be deployed in direct sun, please see the [HOBO Pendant MX2202 Temperature/Light Logger](#)

The CE Marking identifies this product as complying with the relevant directives in the European Union (EU).