



## HOBO<sup>®</sup> UA-002-08 Data Logger

### Pendant Temperature/Light 8K

This HOBO Pendant<sup>®</sup> 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. Use a solar radiation shield for accurate temperature measurement in sunlight. See RS1 Solar Radiation Shield (assembly required) and M-RSA (pre-assembled) Solar Radiation Shield. Note that using a solar radiation shield prevents the use of the light sensor.



#### Key Advantages:

- 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

## HOBO UA-002-08 Data Logger 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 in manual 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

**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

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

## 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 6pm ET, Monday through Friday)

- ▶ Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-877-564-4377

Onset Computer Corporation  
470 MacArthur Boulevard  
Bourne, MA 02532