



## HOBO<sup>®</sup> UA-002-64 Data Logger

### Pendant Temperature/Light 64K Data Logger

This miniature data logger can record temperature and relative light levels. Complete with waterproof casing, this product is designed for indoor, outdoor, and underwater deployment. This model can store approximately 52,000 measurements 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.

#### Supported Measurements:

Light Intensity, Temperature and Water Temperature

#### 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-002-64 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 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).