



HOBO® 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/ft²)

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).

Contact Us

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

- ▶ Email sales@onsetcomp.com
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-800-564-4377
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Technical Support (8am to 8pm ET, Monday through Friday)

- ▶ Contact Product Support www.onsetcomp.com/support/contact
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