ONSET

HOBO

HOBO® UA-002-08 Data Logger

Pendant Temperature/Light 8K

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. 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^2)

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

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