



HOBO[®] UA-001-08 Data Logger

8K Pendant Temperature/Alarm (Waterproof)

This value-priced data logger is both miniature and waterproof, making it a sensible monitoring solution for specific temperature monitoring applications. The HOBO Pendant[®] Temperature/Alarm Data Logger has one channel and is recommended for short-term shipping or long-term monitoring. This data logger features a visible LED light indicator, which warns users when preset parameters have been exceeded. This model stores 6.5K of 10-bit temperature readings. Use a solar radiation shield for accurate temperature measurement in sunlight applications. See RS1 Solar Radiation Shield (assembly required) and M-RSA (pre-assembled) Solar Radiation Shield.



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-001-08 Data Logger Specifications

Measurement range: -20° to 70°C (-4° to 158°F)

Alarms: High and low alarms can be configured for total amount of contiguous or non-contiguous time outside of user-defined limits between -20° and 70°C (-4° to 158°F)

Accuracy: ± 0.53°C from 0° to 50°C (± 0.95°F from 32° to 122°F), see Plot A

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

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

Environmental Rating: Top end: NEMA 6, IP67; Sensor end: IP68

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

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

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

Memory

UA-001-08: 8K bytes (approximately 6.5K sample and event readings)

UA-001-64: 64K bytes (approximately 52K sample and event readings)

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

Weight: 15.0 g (0.53 oz)

Dimensions: 5.8 x 3.3 x 2.3 (centimeters) and 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)

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- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-800-564-4377
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Technical Support (8am to 6pm ET, Monday through Friday)

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