

UA-001-64

HOBO 64K Pendant Temperature/Alarm (Waterproof) Data Logger

A miniature, value-priced, waterproof data logger for temperature monitoring applications; stores 52K measurements.

Important Information

Requires HOBOWare software and either an Optic USB Base Station or a HOBOWaterproof Shuttle (U-DTW-1). HOBOWare Pro is required when using the HOBOWaterproof Shuttle. See compatible items below.



Compatible with
HOBOWare[®] Software



Supported Measurements

Soil Temperature, Temperature, Water Temperature

Features

- 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

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
- Fax 1-508-759-9100

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

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

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470 MacArthur Boulevard
Bourne, MA 02532

HOBO 64K Pendant Temperature/Alarm (Waterproof) Data Logger (UA-001-64) 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 in manual

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: deployments in extremely cold or hot temperatures, or logging intervals faster than one minute, may significantly reduce battery life

Battery Type: CR2032

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; not rated for use in direct sun

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