

UA-001-08

HOBO 8K Pendant Temperature/Alarm (Waterproof) Data Logger

Discontinued

A miniature, value-priced, waterproof data logger for temperature monitoring applications; stores 6.5K measurements.

Important Information

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



Compatible with
HOBOWare[®] Software

[View upgrade options](#)



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

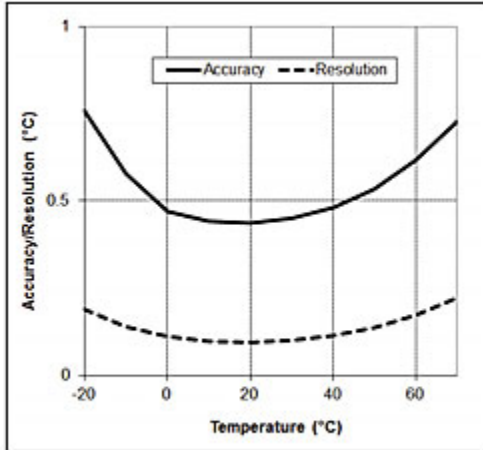
Technical Support (8am to 5pm ET, Monday through Friday)

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

Onset Computer Corporation
470 MacArthur Boulevard
Bourne, MA 02532

HOBO 8K Pendant Temperature/Alarm (Waterproof) Data Logger (UA-001-08) Specifications

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



Plot A

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: $\pm 0.53^{\circ}\text{C}$ from 0° to 50°C ($\pm 0.95^{\circ}\text{F}$ 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)

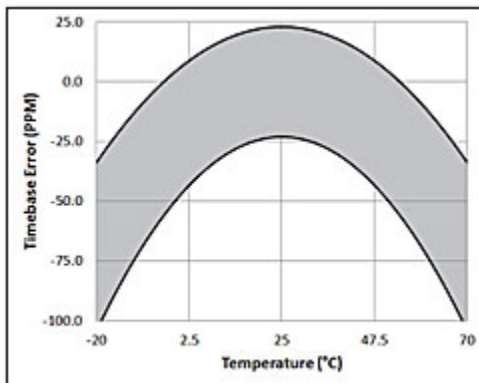
Environmental Rating: Top end: NEMA 6, IP67; Sensor end: IP68

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



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

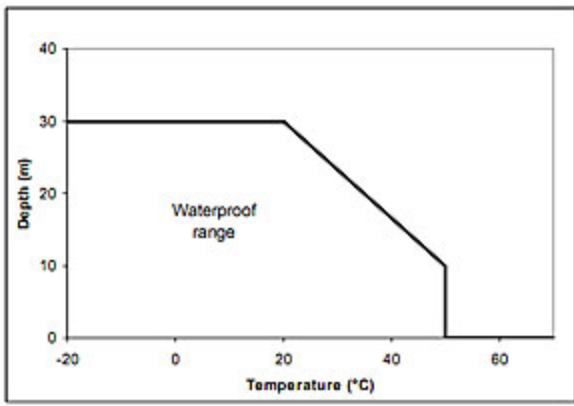
NIST traceable certification: Available for temperature only at additional charge; temperature range -20° to 70°C (-4° to 158°F)

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)



Plot C

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).