

HOBO Pendant[®] Temperature/Alarm Data Logger 8K - UA-001-08



Measures:

Temperature, Water Temp

Qty	1-9	10-99	100+
\$US	\$42	\$39	\$36

Contact Onset at 1-800-564-4377

Description:



Optical Interface for data transfer - [click to zoom](#)

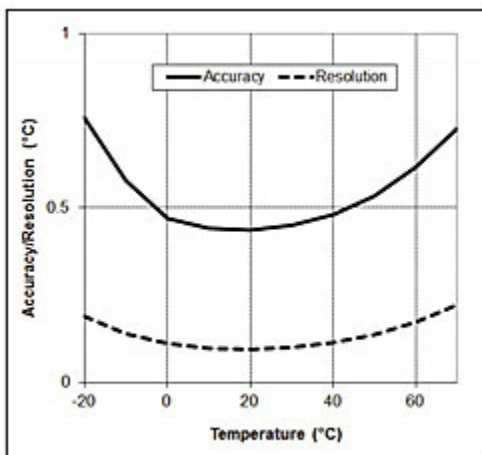
This value-priced logger is both miniature and [waterproof](#), making it a sensible monitoring solution for specific [temperature](#) monitoring applications. The HOBO Pendant[®] Temperature/Alarm Data Logger has one-channel and is recommended for short-term shipping or long-term monitoring. This logger 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.

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

Detailed 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

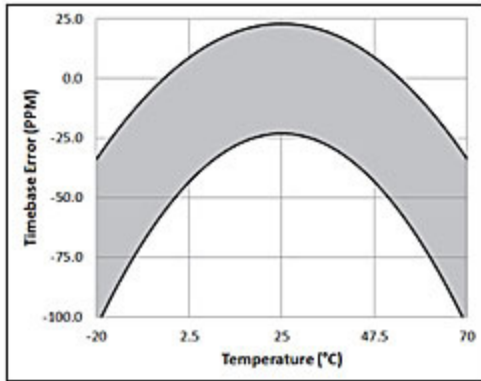
Drift: Less than 0.1[°]C/year (0.2[°]F/year)

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°C to 50°C (-4°F to 122°F)

In air: -20°C to 70°C (-4°F to 158°F)

Water depth rating: 30 m from -20°C to 20°C (100 ft from -4°F to 68°F), see Plot C

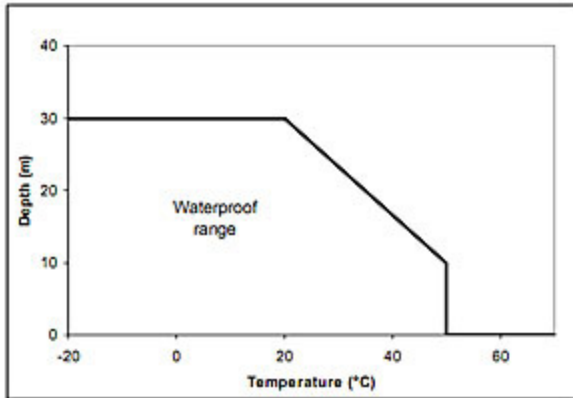
NIST traceable certification: Available for temperature only at additional charge; temperature range -20°C to 70°C (-4°F to 158°F)

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: 18 g (0.6 oz)

Dimensions: 5.8 x 3.3 x 2.3 (centimeters) and 2.3 x 1.3 x 0.9 (inches)

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