

HOBO Pendant^Â® Temperature/Light Data Logger 8K - UA-002-08



Measures:

Temperature, Light Intensity, Water Temp

Qty	1-9	10-99	100+
\$US	\$47	\$44	\$40

Contact Onset at 1-800-564-4377

Description:

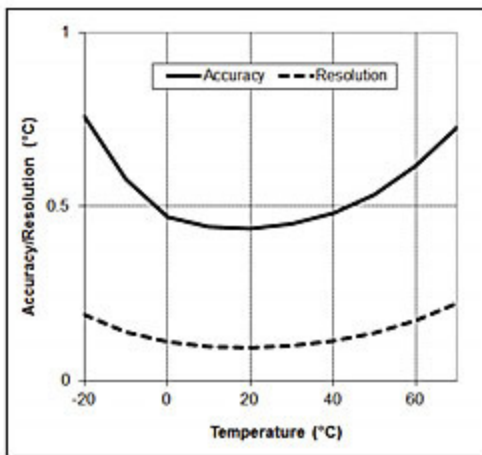


Optical Interface for data transfer - [click to zoom](#)

This HOBO Pendant^Â® 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.

- 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

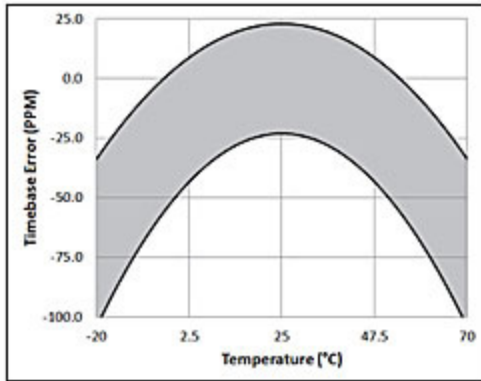
Detailed Specifications:



Plot A

Measurement range

Temperature: -20^Â to 70^Â°C (-4^Â to 158^Â°F)
 Light: 0 to 320,000 lux (0 to 30,000 lumens/ft²)



Plot B

Accuracy:

Temperature: $\pm 0.53^{\circ}\text{C}$ from 0° to 50°C ($\pm 0.95^{\circ}\text{F}$ from 32° to 122°F), see Plot A

Light intensity: Designed for measurement of relative light levels, see Plot D for light wavelength response

Resolution:

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

Drift: Less than $0.1^{\circ}\text{C}/\text{year}$ ($0.2^{\circ}\text{F}/\text{year}$)

Response time:

Airflow of 2 m/s (4.4 mph): 10 minutes, typical to 90%

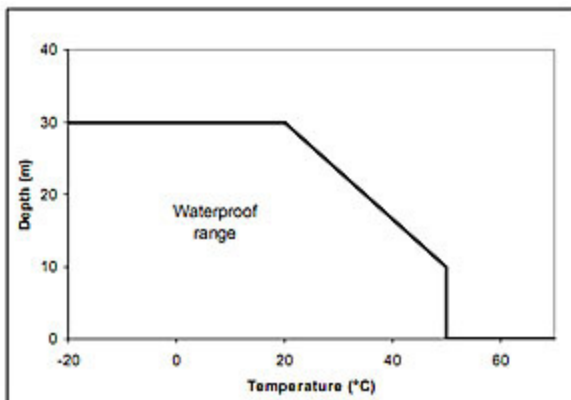
Water: 5 minutes, typical to 90%

Time accuracy: ± 1 minute per month at 25°C (77°F), see Plot B

Operating range

In water/ice: -20° to 50°C (-4° to 122°F)

In air: -20° to 70°C (-4° to 158°F)



Plot C

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

see Plot C

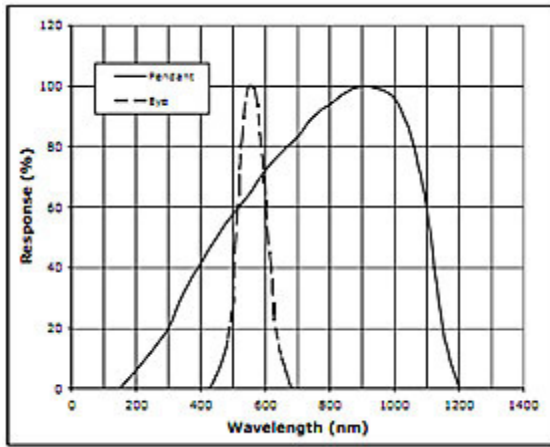
NIST traceable certification: Available for temperature only at additional charge; temperature range -20° to 70°C (-4° to 158°F)

Battery life: 1 year typical use

Memory

UA-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)



Plot D

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)

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

HOB0 Data Loggers

1-800-LOGGERS