Onset Computer Corporation

HOBO Pendant Temperature/Light Data Logger 64K - UA-002-64

Measures:

Temperature, Light Intensity, Water Temp

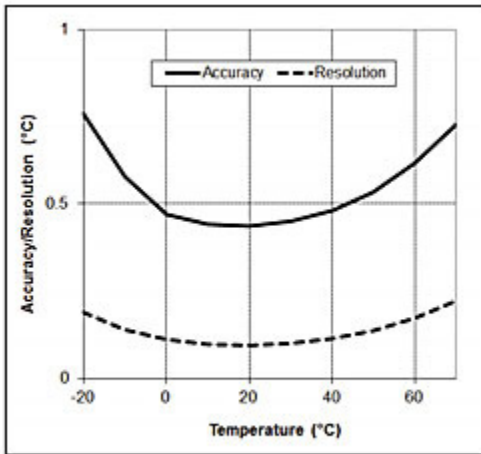| Qty	1-9	10-99	100+
$US	$64	$60	$54

Contact Onset at 1-800-564-4377

Description:

Optical Interface for data transfer - click to zoom This miniature data logger can record temperature and relative light levels. Complete with waterproof casing, this product is designed for indoor, outdoor, and underwater deployment. This model can store approximately 52,000 measurments of 10-bit readings.

- 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
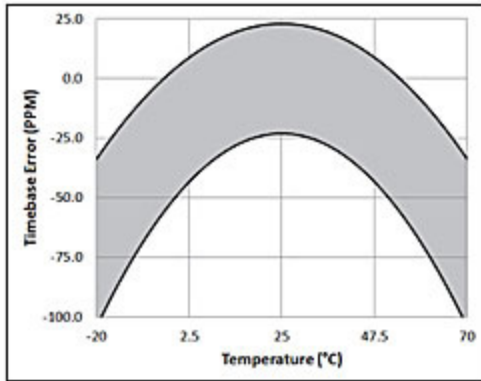

Detailed Specifications:

Plot A

Measurement range

Temperature: -20Â° to 70Â°C (-4Â° to 158Â°F)

Light: 0 to 320,000 lux (0 to 30,000 lumens/ft^2)

Plot B

Accuracy:
Temperature: ± 0.53°C from 0° to 50°C (± 0.95°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°C/year (0.2°F/year)

Response time:
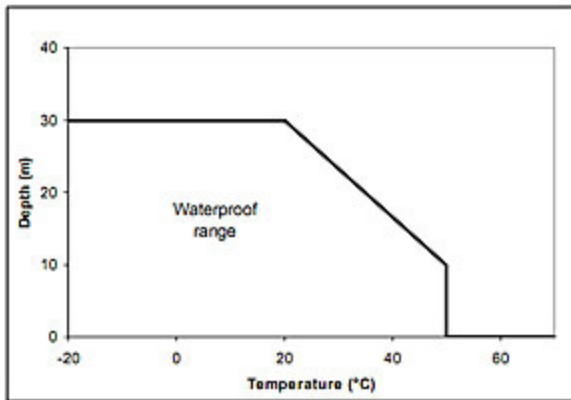Airflow of 2 m/s (4.4 mph): 10 minutes, typical to 90%
Water: 5 minutes, typical to 90%

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

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

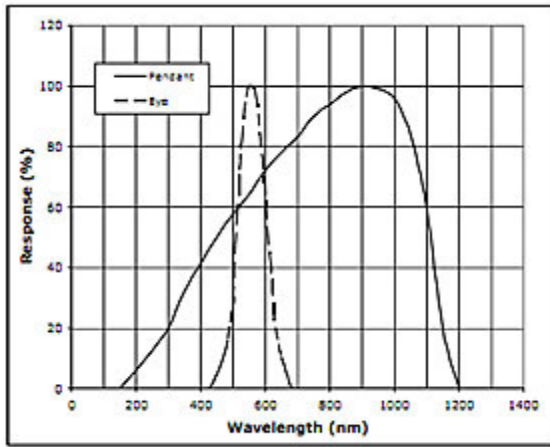Water depth rating: 30 m from -20° to 20°C (100 ft from -4° to 68°F), see Plot C

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).