Onset Computer Corporation

HOBO Pendant®® Temperature/Alarm Data Logger 64K – UA-001-64

Measures:

Temperature, Water Temp

| Qty	1-9	10-99	100+
$US	$59	$55	$50

Contact Onset at 1-800-564-4377

Description:

Optical Interface for data transfer - click to zoom   A miniature, waterproof one-channel temperature data logger, this model is value-priced for short-term shipping applications or long-term deployment. Data logger alarm LEDs flash if temperatures have exceeded user-set levels and delay options, and provide visible verification that temperatures have been within the desired range throughout deployment. This 64K model stores approximately 52K of 10-bit temperature readings. For accurate temperature measurement in sunlight a solar radiation shield is required (RS1 Solar Radiation Shield, assembly required; M-RSA pre-assembled Solar Radiation Shield).

- 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

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Detailed Specifications:

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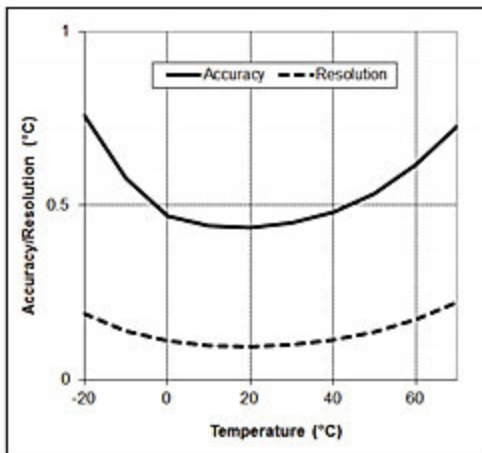
Plot A

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: ± 0.53°°C from 0°° to 50°°C (± 0.95°°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
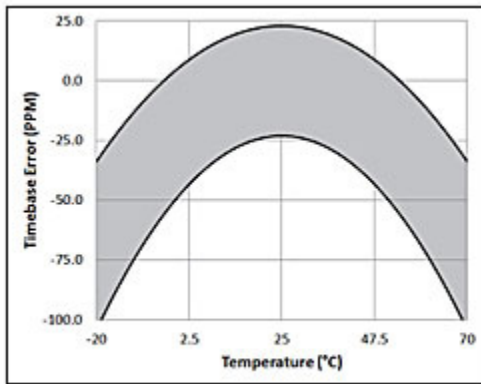
Plot B

Operating range:
In water/ice: -20° to 50°C (-4° to 122°F)
In air: -20° to 70°C (-4° to 158°F)

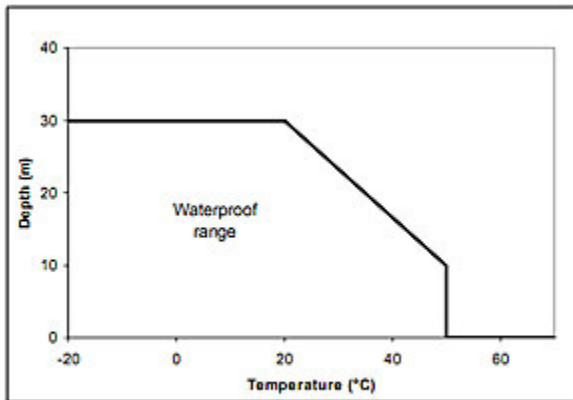Water depth rating: 30 m from -20° to 20°C (100 ft from -4° to 68°F), see Plot C

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: 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).