

U10-003

HOBO Temperature Relative Humidity Data Logger

Discontinued

The HOBO U10 Temperature Data Logger is an economical choice for indoor temperature and relative humidity monitoring. Its small size and large memory capacity make it a great multi-purpose logger. The HOBO U10 Temperature Data Logger is an economical choice for indoor temperature and relative humidity monitoring.

Important Information

HOBO data loggers require HOBOWare software (USB interface cable included w/CD purchase) and a communications device. See compatible items below.



Compatible with
HOBOWare[®] Software

[View upgrade options](#)



Supported Measurements

Relative Humidity, Temperature

Features

- Small size for mounting anywhere
- Low cost lets you monitor many locations economically
- Internal sensors for easy deployment

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

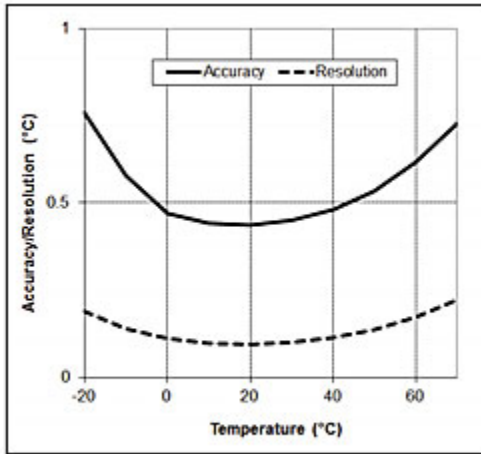
HOBO Temperature Relative Humidity Data Logger (U10-003) Specifications

Measurement range

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

RH: 25% to 95% RH

Accuracy



Plot A

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

RH: $\pm 3.5\%$ from 25% to 85% over the range of 15° to 45°C (59° to 113°F), see Plot B; $\pm 5\%$ from 25% to 95% over the range of 5° to 55°C (41° to 131°F), see Plot B

Resolution

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

RH: 0.07% @ 25°C and 30% RH

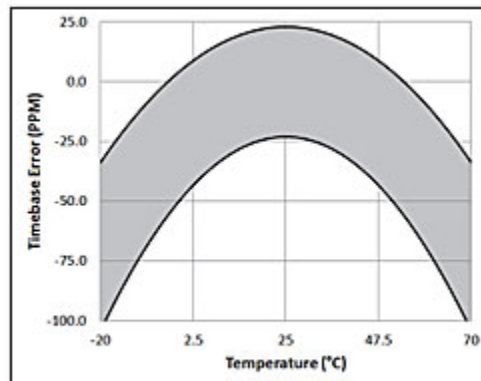
Sample Rate

1 second to 18 hours, user selectable

Drift

Temperature: 0.1°C/year (0.2°F/year)

RH: <1% per year typical



Plot B

Response time in airflow of 1 m/s (2.2 mph)

Temperature: 10 minutes, typical to 90%

RH: 6 minutes, typical to 90%

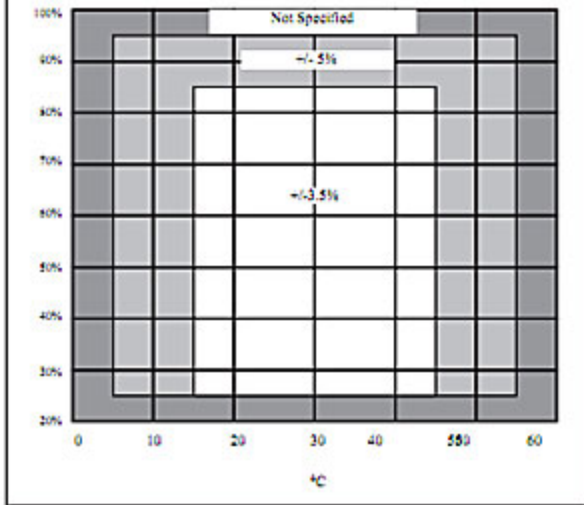
Time accuracy: Approximately ± 1 minute per month at 25°C (77°F), see Plot C

Operating range:

Logging: -20° to 70°C (-4° to 158°F); 0 to 95% RH (non-condensing)

Battery life: 1 year typical use

U10 RH Accuracy



Plot B

Memory: 64K bytes (52,000 10-bit measurements)

Weight: 26 g (0.82 oz)

Dimensions: 45 x 60 x 20 mm (1.8 x 2.38 x 0.77 inches)

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