

indoor

HOBO U10 Loggers

10-Bit Temp/RH with Direct USB Interface

Onset's new HOBO U10 loggers are small, economical loggers that record temperature or temperature and relative humidity (RH) in indoor environments. Large memory capacity (52K readings) allows for long-term deployments, and data readout is fast and easy via direct USB interface using HOBOWare™ (Windows) software.

HOBO U10 Family Features

- User-selectable sampling intervals: 1 second to 12 hours
- Programmable Start time/date or push-button start
- Battery level indication at launch
- Battery level can be recorded as separate channel
- Numerous event types (button push/release, host PC connection, low battery) stored to data file asynchronously during logging
- Hinged case snaps open for easy battery replacement
- Large memory for long-term deployments
- NIST-traceable temperature accuracy certification available
- Patented technology (U.S. patent 6,826,664)

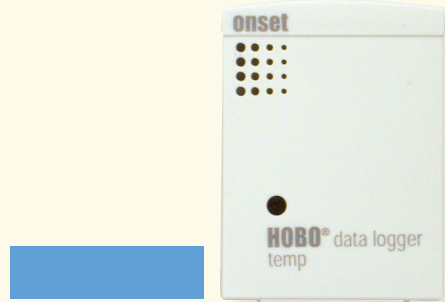
Specifications

Temperature

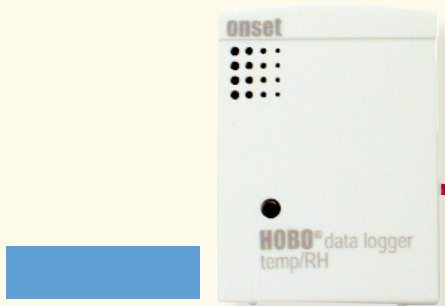
- Range: -20° to 70°C (-4° to 158°F)
- Accuracy: $\pm 0.4^\circ\text{C}$ @ 25°C ($\pm 0.7^\circ$ @ 77°F) (See Plot a)
- Resolution: 0.1°C @ 25°C (0.2° @ 77°F) (See Plot a)
- Response time in airflow of 1 m/s (2.2mph): 10 minutes, typical to 90%
- Optional NIST temperature certification

Relative Humidity

- Range: 25% to 95% RH over the range 5° to 55°C (41° to 131°F)
- Accuracy: $\pm 3.5\%$ from 25% to 85% over the range 15° to 45°C (59° to 113°F) (See Plot b)
- $\pm 5\%$ from 25% to 95% over the range 5° to 55°C (41° to 131°F) (See Plot b)
- Resolution: 0.07% @ 25°C (77°F) and @ 30% RH
- Response time in airflow of 1 m/s (2.2mph): 6 minutes, typical to 90%
- Operating Range: -20° to 70°C (-4° to 158°F); 0 to 95% RH (non-condensing)
- Memory Capacity: 52K 10-bit measurements
- Time Accuracy: 61 seconds/month at 25°C (77°F)
- 1-year battery life typical—user-replaceable CR-2032 lithium battery

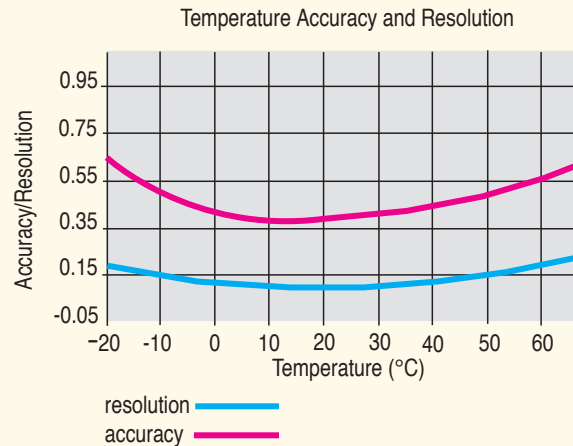


HOBO U10-001
Size/Weight: 6.0 x 4.7 x 1.9 cm
(2.4 x 1.9 x 0.8")/28 g (0.9 oz)

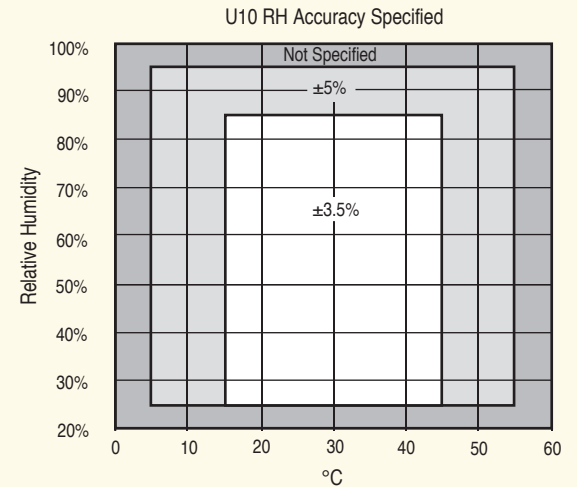


HOBO U10-003

Plot a



Plot b



HOBO U10 Logger Ordering

Description	Part No.
HOBO U10 Temp	U10-001
HOBO U10 Temp/RH	U10-003
HOBOWare Starter Kit (Windows)	BHW-PC

Note: A HOBOWare (Windows) starter kit is required to operate U10 loggers. Each starter kit includes software, USB interface cable, and software manual.

Compliant with all relevant directives in the European Union (EU)

Compatible with HOBOWare™ for Windows