



HOBO Temperature/Relative Humidity 3.5% Data Logger

Part # UX100-003

Important Info

HOBO data loggers require HOBOWare software and a USB cable. (Note: A USB cable is included with HOBOWare Pro CD or USB software purchase). See compatible items below.

\$89 USD

Overview

The HOBO UX100-003 Temperature/Relative Humidity data logger records temperature and relative humidity (within 3.5% accuracy) in indoor environments with its integrated sensors. The data logger is ideal for monitoring occupant comfort in office buildings, tracking food storage conditions in warehouses, logging temperature trends in server rooms, and measuring humidity levels in museums.

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No



Detailed Specifications

HOBO Temperature/Relative Humidity 3.5% Data Logger

Temperature Sensor

Range: -20° to 70°C (-4° to 158°F)

Accuracy: ±0.21°C from 0° to 50°C (±0.38°F from 32° to 122°F)

Resolution: 0.024°C at 25°C (0.04°F at 77°F)

Response time: 4 minutes in air moving 1 m/s (2.2 mph)

Drift: <0.1°C (0.18°F) per year

RH Sensor

Range: 15% to 95% (non-condensing)

Accuracy:

±3.5% from 25% to 85% including hysteresis at 25°C (77°F); below 25% and above 85% ±5% typical

Resolution: 0.07% at 25°C (77°F) and 30% RH

Response time: 43 seconds to 90% in airflow of 1 m/s (2.2 mph)

Drift: <1% per year typical

Logger

Logger Operating Range

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

Launch/readout: 0° to 50°C (32° to 122°F) per USB specification

Logging rate: 1 second to 18 hours, 12 minutes, 15 seconds

Logging modes: Normal, Burst or Statistics

Memory modes: Wrap when Full or Stop when Full

Start modes: Immediately, Push Button, Date & Time or Next Interval

Stop modes: When Memory Full, Push Button, or Date & Time

Restart mode: Push Button

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

Battery life: 1 year, typical with logging rate of 1 minute and sampling interval of 15 seconds or greater

Battery type: One 3V CR2032 lithium battery

Memory: 128 KB (84,650 measurements, maximum)

Download type: USB 2.0 interface

Full memory download time: 20 seconds

LCD: LCD is visible from: 0° to 50°C (32° to 122°F); the LCD may react slowly or go blank in temperatures outside this range

Size: 3.66 x 8.48 x 1.52 cm (1.44 x 3.34 x 0.6 in.)

Weight: 30 g (1.06 oz)

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