



HOBO® ZW-003 Data Logger

Temperature/Relative Humidity (RH) Data Node

The HOBO® ZW-003 is a two-channel wireless data node with an integrated temperature and relative humidity sensor. It wirelessly transmits data in real time, reducing the costs and inconvenience associated with manual data offload.

Supported Measurements:

Relative Humidity and Temperature



Key Advantages:

- Wirelessly transmits real-time temperature and relative humidity data
- Compact size for easy deployment wherever data is needed
- Notifies you of alarm conditions via email or text messages
- Onboard buffer memory helps prevent data loss
- Powerful HOBOWare® Pro software for organizing and viewing data (included with HOBO data receiver)

A complete system requires at least one wireless HOBO data node, HOBO data receiver (ZW-RCVR), and HOBOWare Pro software (included with ZW-RCVR). Depending on your system deployment, a HOBO data router (ZW-ROUTER) may be required.

HOBO ZW-003 Data Logger Specifications

Buffer memory: approx. 4k measurements

Sample rate: 1 min to 18 hrs

Transmission rate: 2 min and greater

Power options: AC power adapter, battery backup

Measurement Range

Temp: -20 to 70°C (-4 to 158°F) when line powered, -20 to 50°C (-4 to 122°F) when battery powered.

RH: 5 to 95% RH (non-condensing)

Accuracy

Temp: $\pm 0.54^{\circ}\text{C}$ typical over 0 to 50°C ($\pm 0.97^{\circ}\text{F}$ over 32 to 122°F) when line powered, $\pm 0.21^{\circ}\text{C}$ over 0 to 50°C ($\pm 0.38^{\circ}\text{F}$ over 32 to 122°F) when battery powered.

RH: $\pm 2.5\%$ from 10% to 90% typical to a maximum of $\pm 3.5\%$ including hysteresis at 25°C (77°F); below 10% and above 90% $\pm 5\%$ typical

Operating Range

Temp: -20 to 50°C (-4 to 122°F) when battery powered, -20 to 70°C (-4 to 158°F) when line powered.

RH: 5%-95% non-condensing

Resolution

Temp: 0.02° C @ 25° C (0.04° F @ 77° F)

RH: 0.05%

Response Time

Temp: 5 min. in air moving 1 m/sec

RH: 10 min. in air moving 1 m/sec

Range: Approx. 100m (300ft.) depending on obstructions or interference

Weight: 138g (4.87 oz) with batteries

Dimensions: 96.5 x 108 x 28mm (3.8 x 4.25 x 1.1 in)

Radio power: 1.6 mW (2 dBm)

Wireless data standard: IEEE802.15.4 2.4 GHz band

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

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 8pm ET, Monday through Friday)

- ▶ Contact Product Support www.onsetcomp.com/support/contact
- ▶ Call 1-508-759-9500
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