



HOBO® ZW-001 Data Logger

Temperature Data Node

The HOBO ZW-001 is an easy-to-deploy, single-channel wireless temperature data node featuring an integrated temperature sensor. It wirelessly transmits data in real time, reducing the costs and inconvenience associated with manual data offload.

Supported Measurements:

Temperature



Key Advantages:

- Wirelessly transmits real-time temperature 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, and HOBOWare Pro software (included with HOBO ZW-RCVR). Depending on your system deployment, a HOBO data router (ZW-ROUTER) may be required.

HOBO ZW-001 Data Logger Specifications

Buffer memory: approx. 5k 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.

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.

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)

Response time: Temp: 5 min. in air moving 1 m/sec (3.3 ft/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
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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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