



## 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)