



HOBO® ZW-007-EU Data Logger

data node – Temperature/Relative Humidity/2 External Channels

EU version - For a non-CE compliant version of this product see the ZW-007

The HOBO® ZW-007-EU is an easy-to-deploy, 4-channel wireless data node. It includes an external 2m temperature/relative humidity sensor probe, and features two additional analog ports. It wirelessly transmits data in real time, reducing the costs and inconvenience associated with manual data offload.



Key Advantages:

- Wirelessly transmits real-time data
- Compact size for easy deployment wherever data is needed
- Accepts a wide range of external energy and environmental sensors
- 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-007-EU Data Logger Specifications

Buffer memory: approx. 3k measurements

Sample rate: 1 min to 18 hrs

Transmission rate: 2 min and greater

Power options:

AC power adapter, battery backup

Measurement range:

Temp: -40° to 70° C (-40° to 158° F)

RH: 5 to 95% RH

Analog channels: 0 to 2.5 Vdc; 0 to 5 Vdc (w/CABLE-ADAP5); 0 to 10 Vdc (w/ CABLE-ADAP10); 4-20 mA (w/CABLE-4-20mA)

Accuracy:

Temp: $\pm 0.2^\circ$ C over 0° to 50° C (0.36° F over 32° to 122° F)

RH: $\pm 2.5\%$ from 10 to 90% typical, max. $\pm 3.5\%$

Analog: ± 1.544 mV plus 2 % (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: 0.03%

Analog channel: 0.6 mV

Response Time:

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

RH: 10 min. in air moving 1 m/sec (3.3ft/sec)

Probe Size:

1 cm (.32 in) diameter; 1.8m (6 ft) cable

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 4.25x 1.1 in)

Radio Power: 1.6 mW (2 dBm)

Wireless data Standard: IEEE802.15.4 2.4 GHz band

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 6pm ET, Monday through Friday)

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