



DISCONTINUED: HOBO ZW-007 Wireless Temperature/Relative Humidity/2 External Channels Data Node

Product Images



Short Description

HOBO ZW Series Wireless Data Nodes with internal sensors measure Temperature and RH.

External sensors can measure Voltage, Current, kWh, and Gauge Pressure and many more parameters.

Description

The HOBOb[®] ZW-007 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.

Highlighted Features

- 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 HOBOb data receiver)

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

Additional Information

Country of Manufacture	United States
Explanation	<p>The country of origin for this product is the United States.</p> <p>Buffer memory: approx. 3k measurements</p> <p>Sample rate: 1 min to 18 hrs</p> <p>Transmission rate: 2 min and greater</p> <p>Power options: AC power adapter, battery backup</p> <p>Measurement Range</p> <p>Temp: -40° to 70° C(-40° to 158° F)</p> <p>RH: 0% to 100% RH</p> <p>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)</p> <p>Accuracy</p> <p>Temp: ± 0.21° C over 0° to 50° C (± 0.38° F over 32° to 122° F)</p> <p>RH: ±2.5% from 10%RH to 90%RH typical to a maximum of ±3.5% including hysteresis at 25° C (77° F); below 10%RH and above 90%RH ±5% typical.</p> <p>Analog: ± 1.544 mV plus 2 % (typical)</p> <p>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.</p> <p>Stability (drift)</p> <p>Temperature: < 0.1°C (0.18°F) per year</p> <p>RH: <1% per year typical; hysteresis 1%</p> <p>Resolution</p> <p>Temp: 0.02° C @ 25° C (0.04° F @ 77° F)</p> <p>RH: 0.05%</p> <p>Analog channel: 0.6 mV</p> <p>Response Time</p> <p>Temp: 5 min. in air moving 1m/sec (3.3 ft./sec)</p> <p>RH: 10 min. in air moving 1 m/sec (3.3ft/sec)</p> <p>Probe size: 1 cm (.32 in) diameter; 1.8m (6 ft) cable</p> <p>Range: Approx. 100m (300ft.) depending on obstructions or interference</p> <p>Weight: 138g (4.87 oz) with batteries</p> <p>Dimensions: 96.5 x 108 x 28mm (3.8 x 4.25x 1.1 in)</p> <p>Radio power: 1.6 mW (2 dBm)</p> <p>Wireless data standard: IEEE802.15.4 2.4 GHz band</p> <p>CE - The CE Marking identifies this product as complying with all relevant directives in the European Union (EU)</p>
Promotion	This product has been discontinued. See our full range of data loggers
Brand	Onset HOBO
Channel(s)	4
Onset Product Series	ZW

Typical applications	Building Monitoring, Energy, Environmental (Indoor), Thermal Comfort
Measurements	4-20mA, Air Velocity, Amps (A), CO2, Compressed Air Flow, Current AC, Current DC, Differential Pressure, Humidity, Kilowatts (kW), Pressure, Temperature, Volatile Organic Comp., Voltage AC, Voltage DC

Additional Options

HOBOWare Pro Software Options	HOBOWare Pro on USB Drive (USB cable included)
	HOBOWare Pro on CD (USB Cable Included)
	HOBOWare Pro - Download Only (USB cable NOT included)
USB Cable (included with HOBOWare Pro on USB Drive & CD)	HOBO U-Series to PC USB Cable