HOBO® ZW-008 Data Logger

Four External Channel Data Node

The HOBO® ZW-008 is a 4-channel wireless data node featuring two analog ports and two pulse input ports. It wirelessly transmits data in real time, reducing the costs and inconvenience associated with manual data offload.



Supported Measurements:

4-20mA, AC Current, AC Voltage, Air Velocity, Amp Hour (Ah), Amps (A), Carbon Dioxide, Compressed Air Flow, DC Current, DC Voltage, Differential Pressure, Gauge Pressure, Kilowatt Hours (kWh), Kilowatts (kW), Power Factor (PF), Pulse Input, Temperature, Volatile Organic Comp., Volt-Amp Reactive, Volt-Amp Reactive hour, Volt-Amps (VA), Volts (V), Water Flow, Watt Hours (Wh) and Watts (W)

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.

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HOBO ZW-008 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
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)
Pulse channel: (w/CABLE-2.5-STEREO)0 to 65,535 pulses per logging interval

Accuracy: 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: Analog channel: 0.6 mV
Response time: Dependent on sensor
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

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