



HOBO® ZW Series Wireless Sensors

Monitor and transmit real-time building performance data... wirelessly!

HOBO ZW Series wireless data nodes provide centralized monitoring of energy and environmental conditions in buildings.

Supported Measurements: Air Velocity, AC Current, AC Voltage, Amp Hour, CO₂, Compressed Air Flow, DC Current, DC Voltage, Differential Pressure, Gauge Pressure, Kilowatt Hours, Kilowatts, Power Factor, Pulse Signals, Temperature, Relative Humidity, Dew Point, Volatile Organic Compound, Volt-Amp Reactive, Volt-Amp Reactive Hour, Volt-Amps, Water Flow, Watt Hours, Watts, Volts, Amps, 0-10 VDC, 4-20 mA



monitor not included

Key Advantages:

- Provides real-time centralized data collection within a facility
- Scales up to a network of 100 nodes sending data to a single receiver
- Creates self-healing network to overcome obstructions in communication paths
- Provides one year battery life @ 15-minute logging intervals
- Provides alarm notifications via email or text messages
- Features powerful software for organizing and viewing data as well as the wireless network

Minimum System Requirements:



Software (included) Receiver Data node

Sample rate	N/A	1 min to 18 hrs N/A	1 min to 18 hrs	1 min to 18 hrs	1 min to 18 hrs	1 min to 18 hrs	1 min to 18 hrs	
Transmission rate	N/A	2 min & greater	2 min & greater	2 min & greater	N/A	2 min & greater	2 min & greater	N/A

AC adapter, **Power options**

► For complete information and accessories, please visit: www.onsetcomp.com

Part number	ZW-RCVR (Receiver)	ZW-001 (Data node)	ZW-003* (Data node)	ZW-005* (Data node)	ZW-006 (Data node)	ZW-007* (Data node)	ZW-008 (Data node)	ZW-ROUTER
Buffer memory	up to 95k measurements	5k measurements	4k measurements	3k measurements				N/A
Measurements	N/A	Temp	Temp/RH	Ext T/RH, 1 analog port 1 pulse input port	4 external analog ports	Ext T/RH, 2 analog ports	2 analog ports 2 pulse input ports	N/A
Probe size	N/A	N/A	N/A	1cm (0.38 in) dia.	N/A	1cm (0.38 in) dia.	N/A	N/A

(included)	Battery Backup, USB power	AC Power Adapter, Battery Backup						
Measurement range	N/A	Temp: -20° to 70°C (-4° to 158°F)	Temp: -20° to 70°C (-4° to 158°F) RH: 5 to 95% RH	Temp: -20° to 70°C (-4° to 158°F) RH: 5 to 95% RH Analog: 0 to 2.5 VDC Pulse: 0 to 65,535 pulses per logging interval	Analog channels: 0 to 2.5 VDC; 0 to 5 VDC	Temp: -20° to 70°C (-4° to 158°F) RH: 5 to 95% RH	Analog channels: 0 to 2.5 VDC; 0 to 5 VDC	N/A
Accuracy	N/A	Temp: ± 0.21°C from 0° to 50°C (± 0.38°F from 32° to 122°F)	Temp: ± 0.21°C from 0° to 50°C (± 0.38°F from 32° to 122°F) RH: ± 2.5%	Temp: ± 0.21°C from 0° to 50°C (± 0.38°F from 32° to 122°F) RH: ± 2.5% Analog: ± 1.544 mV + 2%	Temp: ± 0.21°C from 0° to 50°C Analog: ± 1.544 (± 0.38°F from mV plus 2% of 32° to 122°F) reading RH: ± 2.5% Analog: ± 1.544 mV + 2%	Temp: ± 0.21°C from 0° to 50°C RH: ± 2.5% Analog: ± 1.544 mV + 2%	Analog: ± 1.544 mV plus 2% of reading Analog: 2 % of reading	N/A
Resolution	N/A	Temp: 0.02°C @ 25°C (0.04°F @ 77°F)	Temp: 0.02°C @ 25°C (0.04°F @ 77°F) RH: 0.03%	Temp: 0.02°C @ 25°C (0.04°F @ 77°F) RH: 0.03% Analog channel: 0.6 mV Pulse Channel: 1 pulse	Analog channel: 0.6 mV	Temp: 0.02°C @ 25°C (0.04°F @ 77°F) RH: 0.03% Analog channel: 0.6 mV	Analog channel: 0.6 mV Pulse Channel: 1 pulse	N/A
Range	Approx. 100 m (300 ft.) depending on obstructions or interference							
Dimensions	96.5 x 108 x 28 mm (3.8 x 4.25x 1.1 in)							
CE compliant	Yes							

Our office

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