

HOBO® ZW Series Wireless Sensors

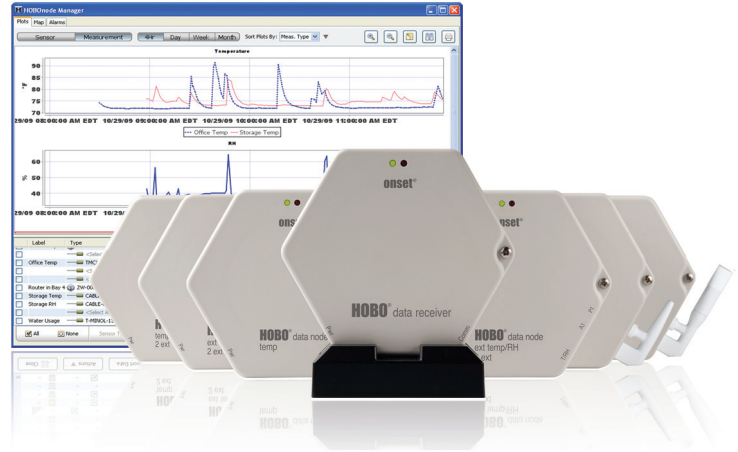
Monitor and transmit real-time building performance data... wirelessly!

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, 4-20mA

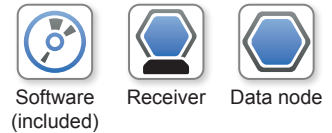
Key Advantages:

- 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, using routers, 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



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

Minimum System Requirements:



Part number	ZW-RCVR (Receiver)	ZW-001 (Data node)	ZW-003 (Data node)
Buffer memory	up to 95k measurements	5k measurements	4k measurements
Measurements	N/A	Temp	Temp/RH
Probe size (diameter)	N/A	N/A	N/A
Sample rate	N/A	1 min to 18 hrs	1 min to 18 hrs
Transmission rate	N/A	2 min and greater	2 min and greater
Power options (included)	AC Power adapter, Battery Backup, USB power	AC Power Adapter, Battery Backup	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
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%
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%
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		

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Part number	ZW-005 (Data node)	ZW-006 (Data node)	ZW-007 (Data node)	ZW-008 (Data node)	ZW-ROUTER
Buffer memory	3k measurements	3k measurements	3k measurements	3k measurements	N/A
Measurements	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 (diameter)	1cm (0.38 in)	N/A	1cm (0.38 in)	N/A	N/A
Sample rate	1 min to 18 hrs	1 min to 18 hrs	1 min to 18 hrs	1 min to 18 hrs	N/A
Transmission rate	2 min and greater	N/A	2 min and greater	2 min and greater	N/A
Power options (included)	AC Power Adapter, Battery Backup	AC Power Adapter, Battery Backup	AC Power Adapter, Battery Backup	AC Power Adapter, Battery Backup	AC Power Adapter, Battery Backup
Measurement range	Temp: -40° to 70°C (-40° 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: -40° to 70°C (-40° to 158°F) RH: 0 to 100% RH	Analog channels: 0 to 2.5 VDC; 0 to 5 VDC	N/A
Accuracy	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%	Analog: ±1.544 mV plus 2% of reading	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%	Analog: ± 1.544 mV plus 2% of reading	N/A
Resolution	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					
Dimensions					
CE compliant	Yes				

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 8pm ET, Monday through Friday)

- Contact Product Support onsetcomp.com/support/contact
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