



For ZW Series
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information and
sensors see
Tempcon Data
Sheet D243



HOBO[®] ZW-007-EU Wireless Data Node (Ext. Temp/RH + 2 x Analog)

ZW Series Wireless Data Nodes offer simplified monitoring of energy use and environmental conditions in buildings. A Receiver (ZW-RCVR-EU) & HOBOWare software, plus a Router (ZW-ROUTER-EU) are required for most applications.

Data Node: Temp/RH/2 External Channels

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: $\pm 0.2^\circ \text{C}$ over 0° to 50°C RH: $\pm 2.5\%$ from 10 to 90% typical, max. $\pm 3.5\%$

Analog: $\pm 1.544 \text{ mV}$ 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

Description

ZW Series Data Node

UK Power Supply

Order Code

ZW-007-EU

CS261

HOBO[®] ZW-008-EU Wireless Data Node (2 x Analog + 2 x Pulse)

ZW Series Wireless Data Nodes offer simplified monitoring of energy use and environmental conditions in buildings. A Receiver (ZW-RCVR-EU) & HOBOWare software, plus a Router (ZW-ROUTER-EU) are required for most applications.

Data Node: 4 External Channels

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: 0 to 65,535 pulses per logging interval

Accuracy:

Analog: $\pm 1.544 \text{ mV}$ 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

Description

ZW Series Data Node

UK Power Supply

Order Code

ZW-008-EU

CS261