



HOBO® U12-008 Data Logger

4-Channel External Data Logger

Employ multiple energy and environmental sensors, ranging from amps to temperature, with the HOBO U12-008 data logger. Its weatherproof enclosure allows the U12-008 to be flexible to deploy inside or outdoors. The HOBO U12-008 memory stores 43,000 measurements of 12-bit resolution readings.

Supported Measurements:

4-20mA, AC Current, AC Voltage, Air Velocity, Carbon Dioxide, Compressed Air Flow, DC Current, DC Voltage, Gauge Pressure, Kilowatts (kW), Temperature and Volatile Organic Comp.

Key Advantages:

- Weatherproof enclosure
- 12-bit resolution provides high accuracy
- Programmable and push-button start
- Direct USB interface for fast data offload
- Compatible with Onset's HOBO U-Shuttle for convenient data transport
- Compatible with HOBOWare and HOBOWare Pro for logger setup, graphing and analysis



HOBO U12-008 Data Logger Specifications

Analog channels:

0 to 2.5 Vdc (w/CABLE-2.5-STEREO); 0 to 5 Vdc (w/CABLE-ADAP5); 0 to 10 Vdc (w/ CABLE-ADAP10); 0 to 24 Vdc (w/CABLE-ADAP24)

Accuracy (logger only):

± 2 mV ± 2.5% of absolute reading

± 2 mV ± 1% of reading for data logger-powered sensors

Resolution: 0.6mV

Sample Rate: 1 second to 18 hours, user selectable

Time accuracy: ± 1 minute per month at 25°C (77°F), see Plot A in manual

Operating range: -20 to 70°C (-4° to 158°F)

Weatherproof case: tested to NEMA 6 standard

Operating temperature

Logging: -20° to 70°C (-4° to 158°F)

Launch/readout: 0° to 50°C (32° to 122°F), per USB specification

Battery life: 1 year typical use. The logger requires one 3-Volt CR-2032 lithium battery.

Memory: 64K bytes (43,000 12-bit measurements)

Weight: 200 g (7 oz)

Dimensions: 140 x 137 x 32 mm (5.5 x 5.38 x 1.25 inches)

The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

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