

## HOBO U12 4-Channel External Data Logger - U12-008



### Measures:

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

### Features:

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

Qty	1-9	10-99	100+
\$US	\$249	\$232	\$212

Contact Onset at 1-800-564-4377

### Description:

Employ multiple [energy](#) and environmental sensors, ranging from amps to [temperature](#), with the HOBO U12-008. It's 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.

### Detailed 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](#)); 4-20 mA (w/[CABLE-4-20MA](#))

Accuracy (logger only):

$\pm 2 \text{ mV} \pm 2.5\%$  of absolute reading

$\pm 2 \text{ mV} \pm 1\%$  of reading for data logger-powered sensors

Resolution: 0.6mV

Sample Rate: 1 second to 18 hours, user selectable

Time accuracy:  $\pm 1$  minute per month at 25°C (77°F), see Plot A

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

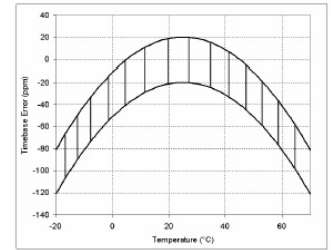
Battery life: 1 year typical use

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).



Plot A