



HOBO[®] U12-006 Data Logger

4-Channel External Data Logger

Collect a wide range of energy and environmental data points with the HOBO U12-006 data logger. Equipped with four channels and 12-bit resolution, this product detects greater variability in recorded data and stores up to 43,000 measurements.

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:

- 12-bit resolution provides high accuracy
- Large memory for long-term deployments or fast sampling
- 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 software for logger setup, graphing and analysis

HOBO U12-006 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); 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 logger-powered sensors

Resolution: 0.6 mV

Sample Rate: 1 second to 18 hours, user selectable

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

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

Operating temperature:

Logging: -20° to 70°C (-4° to 158°F); 0 to 95% RH (non-condensing)

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

Humidity range: 0 to 95% RH, non-condensing

Battery life: 1 year typical use

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

Weight: 46 g (1.6 oz)

Dimensions: 58 x 74 x 22 mm (2.3 x 2.9 x 0.9 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)

- ▶ 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 www.onsetcomp.com/support/contact
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-877-564-4377

Onset Computer Corporation
470 MacArthur Boulevard
Bourne, MA 02532