

UX120-006M

HOBOb 4-Channel Analog Data Logger

A high-performance, LCD display data logger to measure and record temperature, current, CO₂, voltage, and more, for building performance monitoring applications.

Important Information

External sensors sold separately. Requires HOBObware software and a USB cable. (Note: A USB-A to USB-B mini cable is included w/HOBObware Pro USB Drive software purchase). See compatible items below.



Compatible with
HOBObware[®] Software



Supported Measurements

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

Features

- Twice the accuracy of previous models with 16-bit resolution
- Flexible support for a wide range of external sensors
- LCD confirms logger operation and displays near real-time measurement data
- Provides minimum, maximum, average, and standard deviation logging options
- On-screen alarms notify you when a sensor reading exceeds set thresholds
- Stores 1.9 million measurements for longer deployments between offloads
- Compatible with HOBObware and HOBObware Pro software for logger setup and graphing & analysis

What's in the box

- HOBOb UX120-006M 4-Channel Analog Data Logger
- Command[™] strip
- Double-sided tape
- Hook & loop strap
- Two AAA 1.5 V alkaline batteries

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

Onset Computer Corporation
470 MacArthur Boulevard
Bourne, MA 02532

Technical Support (8am to 5pm 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

HOBO 4-Channel Analog Data Logger (UX120-006M) Specifications

Logger w/Cable

Measurement Range:

4-20mA (w/[CABLE-4-20MA](#)) 0 to 20.1 mA

0 to 2.5 V (w/[CABLE-2.5-STEREO](#))

0 to 5 V (w/[CABLE-ADAP5](#))

0 to 10 V (w/ [CABLE-ADAP10](#))

0 to 24 V (w/ [CABLE-ADAP24](#))

Accuracy:

4-20mA ± 0.001 mA $\pm 0.2\%$ of reading (w/[CABLE-4-20MA](#))

± 0.1 mV $\pm 0.1\%$ of reading (w/[CABLE-2.5-STEREO](#))

± 0.2 mV $\pm 0.3\%$ of reading (w/[CABLE-ADAP5](#))

± 0.4 mV $\pm 0.3\%$ of reading (w/ [CABLE-ADAP10](#))

± 1.0 mV $\pm 0.3\%$ of reading(w/ [CABLE-ADAP24](#))

Resolution:

0.3 μ A 4-20mA (w/[CABLE-4-20MA](#))

40 μ V (w/[CABLE-2.5-STEREO](#))

80 μ V (w/[CABLE-ADAP5](#))

160 μ V (w/ [CABLE-ADAP10](#))

384 μ V (w/ [CABLE-ADAP24](#))

Logger

Operating range 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

Logging rate: 1 second to 18 hours, 12 minutes, 15 seconds

Logging modes: Normal, burst, or statistics

Memory modes: Wrap when full or stop when full

Start modes: Immediate, push button, date & time, or next interval

Stop modes: When memory full, push button, or date & time

Restart mode: Push button

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

Battery life: 1 year, typical with logging rate of 1 minute and sampling interval of 15 seconds or greater

Battery type: Two AAA 1.5 V alkaline batteries, user replaceable

Memory: 4 MB (1.9 million measurements, maximum)

Download type: USB 2.0 interface

Full memory download time: approximately 1.5 minutes

LCD: LCD is visible from 0° to 50°C (32° to 122°F); the LCD may react slowly or go blank in temperatures outside this range

Size: 10.8 x 5.41 x 2.54 cm (4.25 x 2.13 x 1 in.)

Weight: 107.5 g (3.79 oz)

Environmental rating: IP50



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