



## HOBO® UX120-006M Data Logger

### 4-Channel Analog

The HOBO UX120-006M Analog Data Logger is a high-performance, LCD display data logger for building performance monitoring applications.

As Onset's highest-accuracy data logger, it provides twice the accuracy of previous models, a deployment-friendly LCD, and flexible support up to four external sensors for measuring temperature, current, CO<sub>2</sub>, voltage, and more.

The data logger is ideal for energy audits, building commissioning studies, equipment scheduling, and more.



#### Key Advantages:

- Twice the accuracy over 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 HOBOWare and HOBOWare Pro software for logger setup, graphing and analysis

## HOBO UX120-006M Data Logger Specifications

### Logger w/Cable

#### Measurement Range:

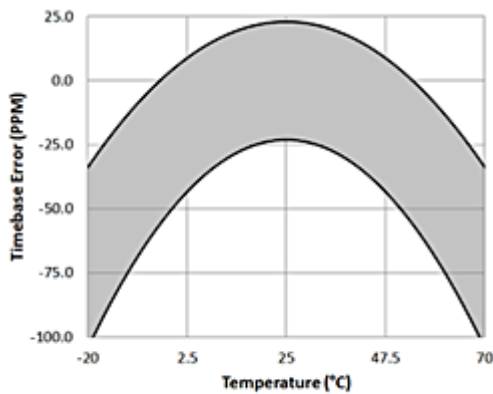
4-20mA (w/CABLE-4-20MA) 0 to 20.1 mA

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)



Plot A: Time Accuracy

#### Accuracy:

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

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

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

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

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

#### Resolution:

0.3  $\mu$ A 4-20mA (w/CABLE-4-20MA)

40  $\mu$ V (w/CABLE-2.5-STEREO)

80  $\mu$ V (w/CABLE-ADAP5)

160  $\mu$ V (w/ CABLE-ADAP10)

384  $\mu$ 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:**  $\pm 1$  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).

## Contact Us

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

- ▶ Email [sales@onsetcomp.com](mailto: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 6pm ET, Monday through Friday)

- ▶ Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-877-564-4377

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