

## HOBO UX120 4-Channel Analog Data Logger - UX120-006M



**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

Qty	1-9	10-99	100+
\$US	\$139	\$129	\$118

Contact Onset at 1-800-564-4377

**Features:**

- 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

**Description:**

The HOBO UX120-006M Analog 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, CO2, voltage and more.

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

**Detailed 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  $\hat{A}\pm 0.001$  mA  $\hat{A}\pm 0.2\%$  of reading (w/[CABLE-4-20MA](#))
- $\hat{A}\pm 0.1$  mV  $\hat{A}\pm 0.1\%$  of reading (w/[CABLE-2.5-STEREO](#))
- $\hat{A}\pm 0.2$  mV  $\hat{A}\pm 0.3\%$  of reading (w/[CABLE-ADAP5](#))
- $\hat{A}\pm 0.4$  mV  $\hat{A}\pm 0.3\%$  of reading (w/ [CABLE-ADAP10](#))
- $\hat{A}\pm 1.0$  mV  $\hat{A}\pm 0.3\%$  of reading(w/ [CABLE-ADAP24](#))

**Resolution:**

- 0.3  $\hat{A}\mu$ A 4-20mA (w/[CABLE-4-20MA](#))
- 40  $\hat{A}\mu$ V (w/[CABLE-2.5-STEREO](#))
- 80  $\hat{A}\mu$ V (w/[CABLE-ADAP5](#))
- 160  $\hat{A}\mu$ V (w/ [CABLE-ADAP10](#))
- 384  $\hat{A}\mu$ V (w/ [CABLE-ADAP24](#))

**Logger**

**Operating Range Logging:** -20 $\hat{A}$ ° to 70 $\hat{A}$ °C (-4 $\hat{A}$ ° to 158 $\hat{A}$ °F); 0 to 95% RH (non-condensing);

**Launch/Readout:** 0 $\hat{A}$ ° to 50 $\hat{A}$ °C (32 $\hat{A}$ ° to 122 $\hat{A}$ °F) per USB specification

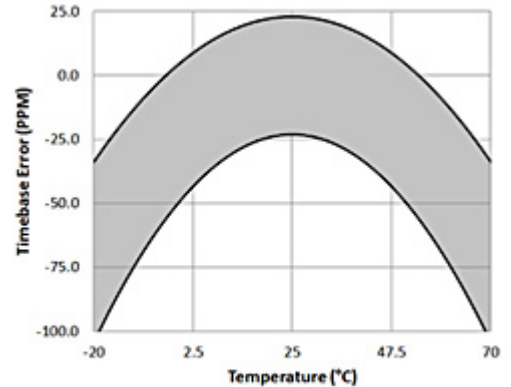
**Logging Rate:** 1 second to 18 hours, 12 minutes, 15 seconds

**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



Plot A: Time Accuracy

**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°C to 50°C (32°F 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).

---

---

---

---

---

**HOBO® Data Loggers**

**1-800-LOGGERS**