

# HOBO UX120 4-Channel Thermocouple Logger

## Log type J, K, T, E, R, S, B, or N thermocouples

The HOBO UX120 Thermocouple Logger is a four-channel LCD data logger for measuring and recording temperature in a range of monitoring applications. The logger makes it easy and convenient to record temperatures over a broad range (-260 to 1820° C) and can accept up to four J, K, T, E, R, S, B, or N type probes.

In addition to accepting four thermocouple probes, the logger features an internal temperature sensor for logging ambient temperatures, further extending the application possibilities.

**Supported Measurements:** Temperature

### Key Advantages:

- Easy-to-view LCD display confirms logger operation and battery status
- Near real-time readout of current temperatures as well as minimum, maximum, average, and standard deviation statistics
- On-screen alarms notify you if temperatures exceed high or low thresholds
- Large memory capacity capable of storing 1.6 million measurements
- Start, stop, and restart push buttons
- User-upgradeable firmware



### Minimum System Requirements:



Software



USB cable\*

► For complete information and accessories, please visit: [www.onsetcomp.com](http://www.onsetcomp.com)

Part number	UX120-014M		
<b>Internal Temperature</b>			
<b>Range</b>	-20° to 70°C (-4° to 158°F)		
<b>Accuracy</b>	±0.21°C from 0° to 50°C (±0.38°F from 32° to 122°F)		
<b>Resolution</b>	0.024°C at 25°C (0.04°F at 77°F)		
<b>Drift</b>	<0.1°C (0.18°F) per year		
<b>Logger</b>			
<b>Logging Rate</b>	1 second to 18 hours		
<b>Logging Modes</b>	Normal, Burst, Statistics		
<b>Memory Modes</b>	Wrap when full or stop when full		
<b>Time Accuracy</b>	±1 minute per month at 25°C (77°F)		
<b>Battery Life</b>	1 year typical with logging rate of 1 minute and sampling interval of 15 seconds or greater, user replaceable, 2 AAA		
<b>Dimensions</b>	10.8 x 5.41 x 2.54 cm (4.25 x 2.13 x 1 in.)		
<b>Operating Range</b>	Logging: -20° to 70°C (-4° to 158°F); 0 to 95% RH (non-condensing)		
<b>CE Compliant</b>	Yes		
<b>Thermocouple</b>			
(probes sold separately)			
<b>Type J</b>	-210° to 760°C (-346° to 1,400°F)	±0.6°C (±1.08°F) ± thermocouple probe accuracy	0.03°C (0.06°F)
<b>Type K</b>	-260° to 1,370°C (-436° to 2,498°F)	±0.7°C (±1.26°F) ± thermocouple probe accuracy	0.04°C (0.07°F)
<b>Type T</b>	-260° to 400°C (-436° to 752°F)	±0.6°C (±1.08°F) ± thermocouple probe accuracy	0.02°C (0.03°F)
<b>Type E</b>	-260° to 950°C (-436° to 1,742°F)	±0.6°C (±1.08°F) ± thermocouple probe accuracy	0.03°C at (0.05°F)
<b>Type R</b>	-50° to 1,550°C (-58° to 2,822°F)	±2.2°C (±3.96°F) ± thermocouple probe accuracy	0.08°C (0.15°F)
<b>Type S</b>	-50° to 1,720°C (-58° to 3,128°F)	±2.2°C (±3.96°F) ± thermocouple probe accuracy	0.08°C (0.15°F)
<b>Type B</b>	+60° to 1,820°C (1,022° to 3,308°F)	±2.5°C (±4.5°F) ± thermocouple probe accuracy	0.1°C (0.18°F)
<b>Type N</b>	-260° to 1,300°C (-436° to 2,372°F)	±1.0°C (±1.8°F) ± thermocouple probe accuracy	0.06°C (0.11°F)

\*USB cable included with software part # BHW-PRO-CD