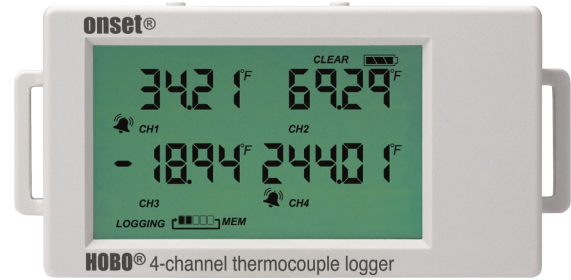


# HOBO<sup>®</sup> UX120 4-Channel Thermocouple Logger

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

The HOBO 4-Channel Thermocouple data logger records temperature in indoor environments using up to four J, K, T, E, R, S, B, or N type thermocouple sensors (sold separately). The logger also can record the ambient temperature with its internal temperature thermistor. Using HOBOware, you can easily configure the logger alarm to trip for specific high or low temperatures. Or, you can set up burst logging in which the logger records data at a different interval during certain conditions.



**Supported Measurements:** Temperature

### Key Advantages:

- 4 thermocouple inputs for type J, K, T, E, R, S, B, or N thermocouple probes
- Internal thermistor for ambient temperature & cold junction compensation
- 22 bit resolution
- Logger operating range: -20° to +70°C
- Memory – 1.9 million measurements
- LCD refreshes every 15 seconds
- Visual high & low alarm thresholds
- User upgradable firmware

### Minimum System Requirements:



Software



USB cable (supplied with HoboWare Software)

► For complete information and accessories, please visit: [www.measurementsystems.co.uk](http://www.measurementsystems.co.uk)

Part number	UX120-014M (Thermocouple)
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Internal Temperature	
Range	-20° to 70°C (-4° to 158°F)
Accuracy	±0.21°C from 0° to 50°C (±0.38°F from 32° to 122°F)
Resolution	0.024°C at 25°C (0.04°F at 77°F)
Drift	<0.1°C (0.18°F) per year

Logger	
Logging Rate	1 second to 18 hours, 12 minutes, 15 seconds
Logging Modes	Normal, Burst, Statistics
Memory Modes	Wrap when full or stop when full
Time Accuracy	±1 minute per month at 25°C (77°F)
Battery Life	1 year typical with logging rate of 1 minute and sampling interval of 15 seconds or greater, user replaceable, 2 AAA
Dimensions	10.8 x 5.41 x 2.54 cm (4.25 x 2.13 x 1 in.)
Operating Range	Logging: -20° to 70°C (-4° to 158°F); 0 to 95% RH (non-condensing)
CE Compliant	Yes

Thermocouple (probes sold separately)	Range	Accuracy	Resolution
Type J	-210° to 760°C (-346° to 1,400°F)	±0.6°C (±1.08°F) ± thermocouple probe accuracy	0.03°C (0.06°F)
Type K	-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)
Type T	-260° to 400°C (-436° to 752°F)	±0.6°C (±1.08°F) ± thermocouple probe accuracy	0.02°C (0.03°F)
Type E	-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)
Type R	-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)
Type S	-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)
Type 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)
Type N	-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)