

HOBO UX100 Type J, K, T, E, R, S, B, N Thermocouple - UX100-014M



Measures:

Temperature

Features:

- High-accuracy J, K, T, E, R, S, B, N thermocouple readings
- Easy-to view LCD display
- Large memory capacity
- Visual high & low alarm thresholds
- New Burst and Statistics logging modes
- Record ambient temperature with internal thermistor

Onset also offers a four-channel thermocouple data logger, the [HOBO UX120-014M](#).

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

Contact Onset at 1-800-564-4377

Description:

The HOBO UX100-014M Single Channel Thermocouple [data logger](#) records [temperature](#) in indoor environments with thermocouple sensors (sold separately). Designed for a broad range of monitoring applications – from industrial process monitoring to concrete maturity testing – the logger provides exceptional flexibility by accepting J, K, T, E, R, S, B or N type thermocouple probes.

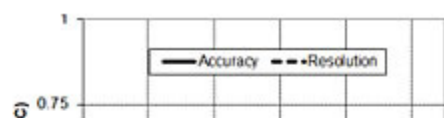
Detailed Specifications:

Thermocouple

Type	Range	Accuracy	Resolution
J	-210Â° to 760Â°C (-346Â° to 1,400Â°F)	Â±0.6Â°C (Â±1.08Â°F) Â± thermocouple probe accuracy	0.03Â°C (0.06Â°F)
K	-260Â° to 1,370Â°C (-436Â° to 2,498Â°F)	Â±0.7Â°C (Â±1.26Â°F) Â± thermocouple probe accuracy	0.04Â°C (0.07Â°F)
T	-260Â° to 400Â°C (-436Â° to 752Â°F)	Â±0.6Â°C (Â±1.08Â°F) Â± thermocouple probe accuracy	0.02Â°C (0.03Â°F)
E	-260Â° to 950Â°C (-436Â° to 1,742Â°F)	Â±0.6Â°C (Â±1.08Â°F) Â± thermocouple probe accuracy	0.03Â°C at (0.05Â°F)
R	-50Â° to 1,550Â°C (-58Â° to 2,822Â°F)	Â±2.2Â°C (Â±3.96Â°F) Â± thermocouple probe accuracy	0.08Â°C (0.15Â°F)
S	-50Â° to 1,720Â°C (-58Â° to 3,128Â°F)	Â±2.2Â°C (Â±3.96Â°F) Â± thermocouple probe accuracy	0.08Â°C (0.15Â°F)
B	550Â° to 1,820Â°C (1,022Â° to 3,308Â°F)	Â±2.5Â°C (Â±4.5Â°F) Â± thermocouple probe accuracy	0.1Â°C (0.18F)
N	-260Â° to 1,300Â°C (-436Â° to 2,372Â°F)	Â±1.0Â°C (Â±1.8Â°F) Â± thermocouple probe accuracy	0.06Â°C (0.11Â°F)

Internal 10K Thermistor (Temperature):

Range: Logging: -20Â° to 70Â°C (-4Â° to 158Â°F)
 Accuracy: Â±0.21Â°C from 0Â° to 50Â°C (Â±0.38Â°F from 32Â° to 122Â°F), see Plot A
 Resolution: 0.024Â°C at 25Â°C (0.04Â°F at 77Â°F); see Plot A
 Drift: <0.1Â°C (0.18Â°F) per year



Logger

Logger Operating Range:

Logging: -20°C to 70°C (-4°F to 158°F); 0 to 95% RH (non-condensing);
logger accuracy from 0°C to 50°C (32°F to 122°F)
Launch/Readout: 0°C to 50°C (32°F to 122°F) per USB specification

Resolution: 22-bit

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: Immediately, 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 B

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

Battery Type: One 3V CR2032 lithium battery

Memory: 512 KB (208,076 measurements, maximum)

Download Type: USB 2.0 interface


Full Memory Download Time: 1 minute, 30 seconds

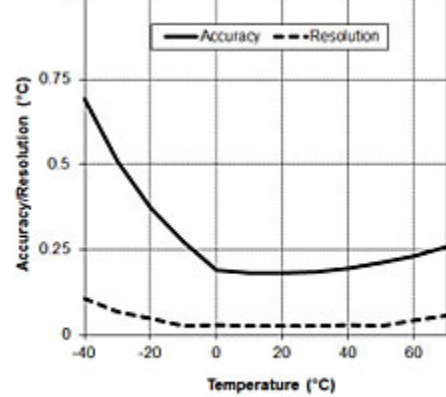
LCD: LCD is visible from: 0° to 50°C (32° to 122°F); the LCD may react slowly or go blank in temperatures outside this range

Size: 3.66 x 5.94 x 1.52 cm (1.44 x 2.34 x 0.6 in.)

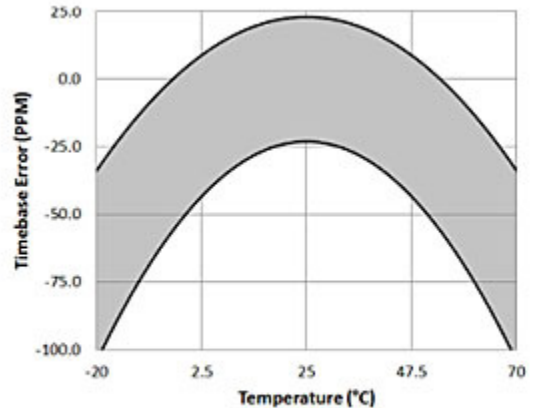
Weight: 30 g (1.06 oz)

Environmental Rating: IP50

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



Plot A: Internal Temperature Accuracy & Resolution



Plot B: Time Accuracy

HOB0 Data Loggers

1-800-LOGGERS