



A single-channel thermocouple data logger to measure and record temperature in indoor environments. Designed for a broad range of monitoring applications - from industrial process monitoring to concrete maturity testing - this logger provides exceptional flexibility by accepting J, K, T, E, R, S, B or N type thermocouple probes (sold separately).

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
- Burst and Statistics logging modes
- Record ambient temperature with internal thermistor

What's in the box

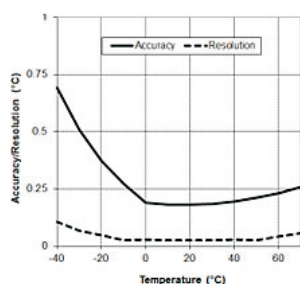
- HOBO UX100-014M Single Channel Thermocouple Data Logger
- Command™ strip
- Double-sided tape
- Hook & loop strap

Technical Specifications:

Thermocouple

Type	Range	Accuracy	Resolution
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)
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)
T	-260° to 400°C (-436° to 752°F)	±0.6°C (±1.08°F) ± thermocouple probe accuracy	0.02°C (0.03°F)
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)
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)
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)
B	550° 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)
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)

Internal 10K Thermistor (Temperature)



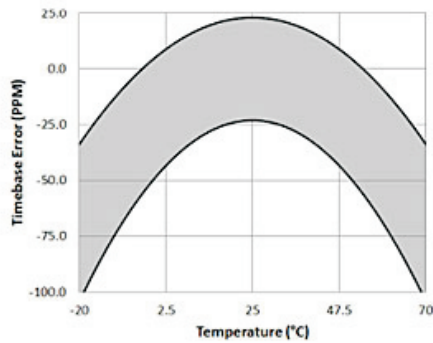
Plot A: Internal Temperature Accuracy & Resolution

Range	:	Logging: -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), see Plot A
Resolution	:	0.024°C at 25°C (0.04°F at 77°F); see Plot A
Drift	:	<0.1°C (0.18°F) per year

Logger

Logger Operating Range

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



Plot B: Time Accuracy

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