

Tempcon Instrumentation Ford Lane Business Park Ford West Sussex BN18 0UZ, UK www.tempcon.co.uk



# HOBO UX100-014M Thermocouple Data Logger

#### **Product Images**









#### **Description**

The HOBO UX100-014M Single Channel Thermocouple data logger records temperature in indoor environments with mini plug thermocouple sensors (sold separately).

Designed for a broad range of monitoring applications - from industrial process monitoring to concrete maturity testing - the data logger provides exceptional flexibility by accepting J, K, T, E, R, S, B or N type thermocouple probes.

- 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

NOTE: HOBO loggers require a USB cable and HOBOware software (free download).

Also available is the HOBO UX120-014M four-channel thermocouple data logger.

### **Additional Information**

	United S	itates		
	The cou this pro <b>Thermo</b>	duct, please see the	s product is the United Star product manual found und	es. To see the full specifications for der the Resources tab.
	Туре	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)
	К	-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)
	Т	-260° to 400°C (-436° to 752°F)	±0.6°C (±1.08°F) ± thermocouple probe accuracy	0.02°C (0.03°F)
	Е	-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)
	В	550° to 1,820°C (1,022° to 3,308°F)	±2.5°C (±4.5°F) ± thermocouple probe accuracy	0.1°C (0.18F)
anation	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)
		).1°C (0.18°F) per ye	C(0.04°F at 77°F); see Plot <i>A</i> ar	
	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  X 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			
	Stop mo Restart  Time Battery or great Battery Memory Downlo Full met LCD: LCD tempera Size: 3.6 Weight:	odes: Immediately, odes: When Memory mode: Push Buttor accuracy: ±1 minut life: 1 year, typical er type: One 3V CR20 y: 512 KB (208,076 r ad type: USB 2.0 in mory download tir D is visible from: 0° tutures outside this r 6 x 5.94 x 1.52 cm (30 g (1.06 oz)	Push Button, Date & Time y Full, Push Button, or Date e per month at 25°C (77°F) with logging rate of 1 minu 32 lithium battery neasurements, maximum) terface ne: 1 minute, 30 seconds to 50°C (32° to 122°F); the ange 1.44 x 2.34 x 0.6 in.)	& Time see Plot B te and sampling interval of 15 seconds
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## **Additional Options**

HOBOware Pro Software Options	HOBOware Pro on USB Drive (USB cable included)
	HOBOware Pro on CD (USB Cable Included)
	HOBOware Pro - Download Only (USB cable NOT included)
Temperature Calibration Certificate	2 Point Temperature Calibration (0°C / 60°C)
	2 Point Temperature Calibration (please specify temperature points)
	1 Point Temperature Calibration (0°C)
USB Cable (included with HOBOware Pro on USB Drive & CD)	USB Cable for Data Logger to PC Communications (SKU: CABLE-USBMB)