

U12-014

## HOBO J,K,S,T Thermocouple Data Logger



Discontinued

A thermocouple data logger providing exceptional measurement flexibility by accepting J, K, S, or T thermocouple probes.

### Important Information

Requires HOBOWare software (USB interface cable included w/CD purchase) and a communications device. See compatible items below.



Compatible with  
**HOBOWare<sup>®</sup> Software**

[View upgrade options](#)

## Supported Measurements

Temperature

## Features

- High-accuracy J, K, S, T thermocouple recordings
- Automatic cold-junction compensation
- Accepts subminiature thermocouple connectors
- Direct USB interface

## Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email [sales@onsetcomp.com](mailto:sales@onsetcomp.com)
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Onset Computer Corporation  
470 MacArthur Boulevard  
Bourne, MA 02532

Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

## HOBO J,K,S,T Thermocouple Data Logger (U12-014) Specifications

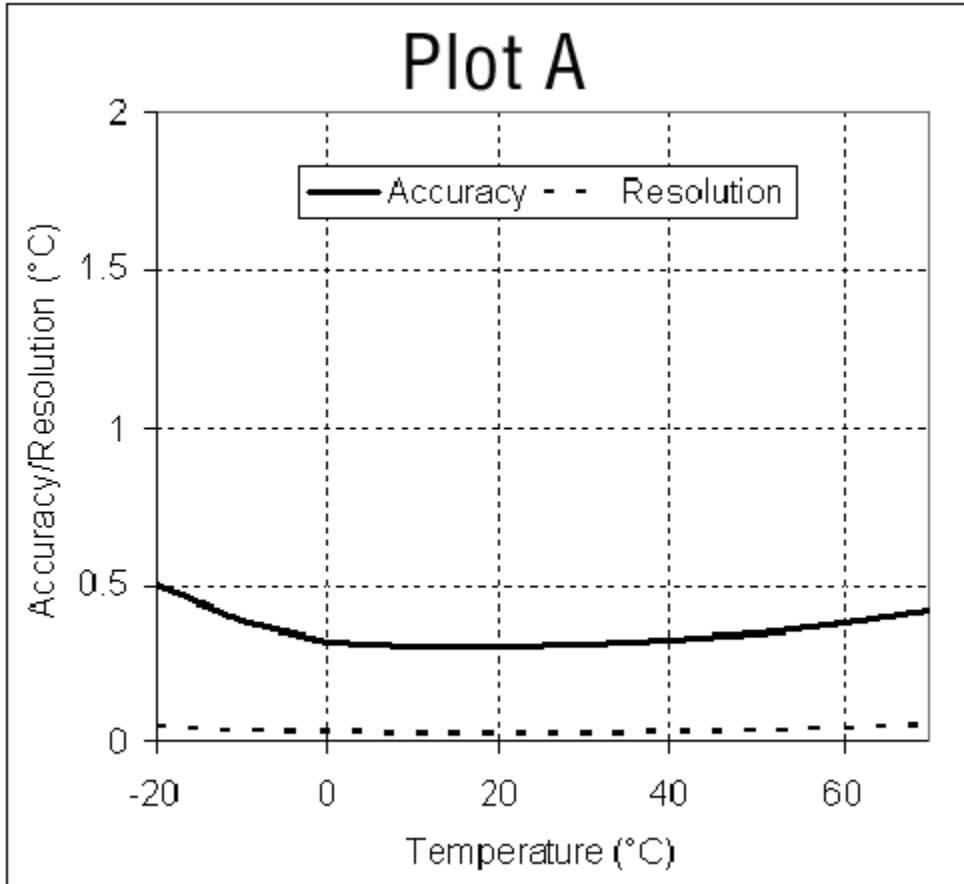
Measurement range:

J type: 0 to 750 °C (32° to 1382°F)

K type: 0 to 1250 °C (32° to 2282°F)

S type: -50 to 1760 °C (-58° to 3200°F)

T type: -200 to 100 °C (-328° to 212°F)



Internal temperature: 0° to 50°C (32° to 122°F)

Accuracy:

J type: +/- 2.5°C or 0.5% of reading, whichever is greater

K type: +/- 4.0°C or 0.5% of reading, whichever is greater

S type: +/- 6.0°C or 0.5% of reading, whichever is greater

T type: ±1.5°C (±2.7°F)

Internal temperature: ± 0.35°C (± 0.63°F), see Plot A (All accuracies specified for battery voltage ? 2.80 V)

Resolution:

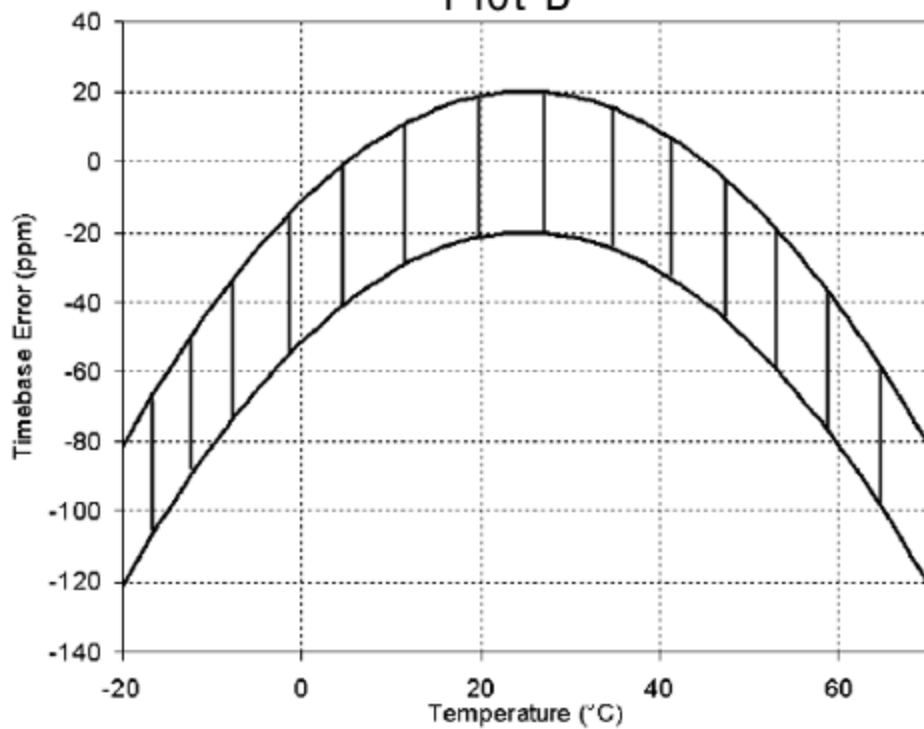
J type: 0.21°C at 375°C (0.38°F at 707°F)

K type: 0.32°C at 625°C (0.58°F at 1157°F)

S type: 0.44°C at 855°C (0.79°F at 1571°F)

T type: 0.10°C at -50°C (0.18°F at -58°F)

### Plot B



Internal temperature: 0.03°C at 25°C (0.05°F at 77°F), see Plot A

Drift: Internal temperature 0.1°C/year (0.2°F/year)

Humidity range: 0 to 95% RH, non-condensing

Time accuracy:  $\pm 1$  minute per month at 25°C (77°F), see Plot B

Operating temperature:

Logging: 0° to 50°C (32° to 122°F); 0 to 95% RH (non-condensing)

Launch/readout: 0° to 50°C (32° to 122°F), per USB specification

Battery life: 1 year typical use

Memory: 64K bytes (43,000 12-bit measurements)

Weight 46 g (1.6 oz)

Dimensions 58 x 74 x 22 mm (2.3 x 2.9 x 0.9 inches)

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