

Four Channel Handheld Data Logger Thermometer

TRODEKS®

HH520



- ✓ Measures Types J, K, T, E Thermocouples
- ✓ Large Backlit Display Shows All Channels
- ✓ USB Interface -- PC Software Included
- ✓ High Accuracy, Fast Response
- ✓ T1-T2 Function
- ✓ Temperature Alarm Function
- ✓ Data Hold Function
- ✓ Adjustable Auto Power Off Timer
- ✓ Min/Max/Avg Recording of All Channels
- ✓ Data Logging Up to 16,000 Points for Each Channel
- ✓ Recall Function to Instantly Read-Out Up to 100 Sets of Manually Saved Data



HH520 shown smaller than actual size.

The HH520 is a 4 channel handheld data logger/thermometer that accepts Types J, K, T and E thermocouples. Measurement settings and results are shown on the backlit LCD display. Data can be stored in the data logger and then downloaded to the computer or directly saved on the computer through the USB interface in real time. With the exclusive software, recording/

recalling of data and programming of logging parameters can be done directly through a PC. There is a save dialog window in the software where the data file name and file type to save can be selected. There are three types of file format that can be selected: binary file (*.ghf), text file (*.txt) and Excel® format file (*.csv). The .txt file format can be opened

by the HH520 software and any other word processor program like Microsoft® Word or Notepad. The .csv file format can be opened by the HH520 software and also by Microsoft Excel.

*The *.ghf file uses much less disk space to save the data than the other two file formats, but it can only be used in the HH520 software.*

Specifications

Measurement Range:

- J: -200 to 1000°C (-328 to 1832°F)
- K: -200 to 1372°C (-328 to 2501°F)
- T: -200 to 400°C (-328 to 752°F)
- E: -200 to 750°C (-328 to 1382°F)

Accuracy (Does Not Include Thermocouple Sensor Error):

$\pm(0.1\% \text{ rdg} + 0.7^\circ\text{C})/\pm(0.1\% \text{ rdg} + 1.4^\circ\text{F})$ between 18 to 28°C (64 to 82°F); $\pm(0.4\% \text{ rdg} + 0.7^\circ\text{C})/\pm(0.4\% \text{ rdg} + 1.4^\circ\text{F})$ below -100°C (-148°F)

Resolution:

0.1°C < 600°C (0.1°F < 1000°F);
1.0°C \geq 600°C (1.0°F \geq 1000°F)

Temperature Coefficient:

0.01% of reading + 0.05°C
per °C (<18 or >28°C)

Input Protection:

30 Vrms max

Sample Rate:

2 samples/sec

Power: Four 1.5 V "AAA" batteries (included); external power through USB interface

Battery Life: 100 hrs approx (alkaline batteries)

Operating Environment:

0 to 50°C (32 to 122°F);

10 to 90% RH non-condensing

Storage Environment: -20 to 60°C
(-4 to 140 °F); 10 to 75% RH

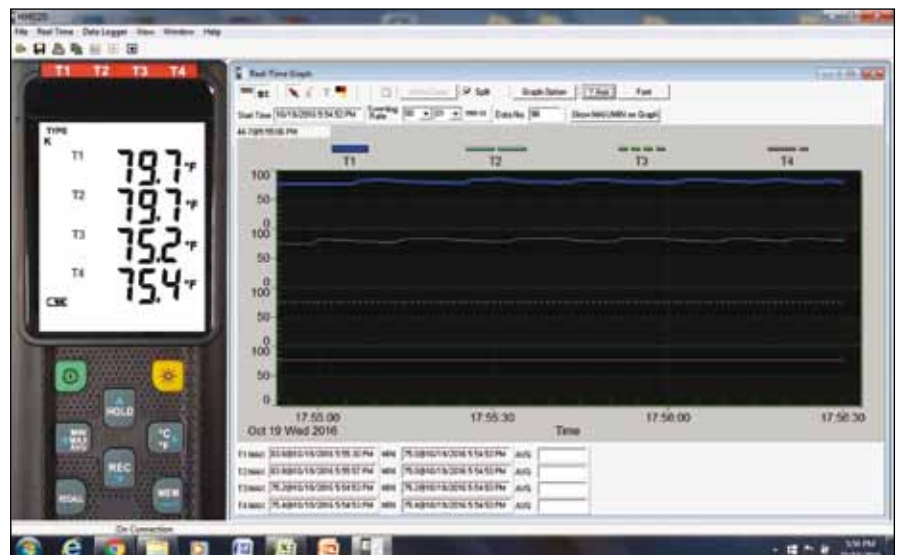
Dimensions: 187 H x 75 W x 29 mm D
(7.36 x 2.95 x 1.14")

Weight: 290 g (10.2 oz)

Software: Windows® XP/Vista/7/8/10



HH520 shown smaller than actual size.



With the PC software (included) users can record/recall data and program logging parameters directly through a PC.

To Order

Model No.	Description
HH520	4-channel handheld data logger thermometer

Comes complete with 4 beaded wire Type K thermocouples, four 1.5 V "AAA" batteries, hard carrying case, Windows software on CD, USB cable and operator's manual.