

The HH1385 is a digital 4 input thermometer and data logger that works with any K, J, E, T, R, S, N type thermocouple temperature sensors. This unit offers higher accuracy and better uniformity across various thermocouple types. This device measures/stores over 16,800 temperature readings and allows up to 4 thermocouple connections that plug into a miniature female thermocouple receptacle at the base of the unit. The user can easily set up the initial data logging parameters including thermocouple type, logging intervals, high/low alarm settings, and desired temperature units ($^{\circ}\text{C}$, $^{\circ}\text{F}$ or $^{\circ}\text{K}$). The user may also download the stored data by plugging the meter straight into a PC's USB port and running the easy-to-use Windows software.



Features

- Seven thermocouple types: K,J,T,E,R,S,N
- Datalogging capacity 16,800 records
- Higher accuracy
- Relative (REL) and differential measurement
- 4-channel and 4-digit LCD display with backlight
- Max /Min /AVG /Time and data hold functions
- Dual LCD displays T1-T2 and T3-T4
- Hi/Lo audible alarm functions
- Auto-ranging
- Low battery detection
- USB PC serial interface with Windows XP /7~10

Specifications

Ranges:

Type K: -200°C to $+1372^{\circ}\text{C}$ (-328°F to $+2501^{\circ}\text{F}$)

Type J: -210°C to $+1200^{\circ}\text{C}$ (-346°F to $+2192^{\circ}\text{F}$)

Type T: -250°C to $+400^{\circ}\text{C}$ (-418°F to $+752^{\circ}\text{F}$)

Type E: -210°C to $+1000^{\circ}\text{C}$ (-346°F to $+1832^{\circ}\text{F}$)

Type R/S: -0°C to $+1767^{\circ}\text{C}$ (-32°F to $+3212^{\circ}\text{F}$)

Type N: -150°C to $+1300^{\circ}\text{C}$ (-238°F to $+2372^{\circ}\text{F}$)

Resolution:

0.1: K / J / T / E / N / R / S $\leq 1000^{\circ}\text{C}$

1: R / S and K / J / E / N $\geq 1000^{\circ}\text{C}$

Accuracy:

K/J/E/T/N type: $\pm(0.05\% \text{ rdg} + 0.7^{\circ}\text{C}/1^{\circ}\text{F})$ **R/S Type:** $\pm(0.05\% \text{ rdg} + 3^{\circ}\text{C}/5.4^{\circ}\text{F})$

Below -100°C (-148°F)

K,J,T,E: $+0.15\%$ reading

N: $+0.45\%$ reading

Temperature coefficient

0.05% of reading $\pm 0.07^{\circ}\text{C}$ per $^{\circ}\text{C}$ outside the specified 18 to 28°C

Temperature scale

ITS-90

Operation Temperature and Humidity

0°C to 50°C (32°F to $+122^{\circ}\text{F}$), $<80\% \text{RH}$

Storage Temperature and Humidity

0°C to 50°C , relative humidity under 80%