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 (°C, °F or °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°C (-328°F to +2501°F)
- **Type J:** -210°C to +1200°C (-346°F to +2192°F)
- **Type T:** -250°C to +400°C (-418°F to +752°F)
- **Type E:** -210°C to +1000°C (-346°F to +1832°F)
- **Type R/S:** -5°C to +1767°C (-32°F to +3212°F)
- **Type N:** -150°C to +1300°C (-238°F to +2372°F)

**Resolution:**

<table>
<thead>
<tr>
<th>Range</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>K/J/T/E/N/R/S</td>
<td>±(0.05% rdg + 0.7°C/1°F)</td>
</tr>
<tr>
<td>K/J/T/E/N/R/S</td>
<td>±(0.05% rdg + 3°C/5.4°F)</td>
</tr>
</tbody>
</table>

**Accuracy:**

- **K/J/E/T/N Type:** ±(0.05% rdg + 0.7°C/1°F)
- **R/S Type:** ±(0.05% rdg + 3°C/5.4°F)
- **Below -100°C(-148°F):**
  - K, J, T, E: +0.15% reading
  - N: +0.45% reading

**Temperature coefficient:**

0.05% of reading ±0.7°C per °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°F), <80%RH
- Storage Temperature and Humidity
  - 0°C to 50°C, relative humidity under 80%