Digital Thermometers
with Multifunction Features

HH81A/HH82A

- Wide Measurement Range:
  -200 to 1372°C (-328 to 2501°F)
- Stores up to 10 Readings
- Auto Power-Off
- Single and Dual Input Models
- Data Hold Function
- Min/Max Record Function
- Resolution 0.1°C/0.1°F

The HH81A and HH82A handhelds are an economically priced digital thermometers. These units are portable and easy to use. They are fully programmable input models for K, E, J, and T type thermocouples. The standard features include min/max reading, reading hold, both are °C to °F switchable and can store up to 10 readings by the press of a button.

Specifications

Measuring Range (only the main unit)
Thermocouple Type:
  Type K: -200 to 1372°C (-328 to 2501°F)
  Type E: -200 to 700°C (-328 to 1292°F)
  Type J: -200 to 1000°C (-328 to 1832°F)
  Type T: -200 to 400°C (-328 to 752°F)

Resolution: -200.0 to 199.9°C; 0.1°C or 1°C (when 1°C resolution is set); 200°C or above: 1°C

Accuracy: -200.0°C to -100.1°C: ±(0.1% of rdg + 1.0°C);
-100.0°C to 199.9°C: ±(0.1% of rdg + 0.7°C); ±200°C or above, or when 1°C resolution is set: ±(0.2% of rdg + 1°C)

Measurement Interval: Approx 1 second (1-channel measurement); approx 2 seconds (2-channel measurement)

Data Storage: Capable of storing up to 10 measured data items

Simplified Correction: Correction range: ±20°C of measured value

Display Items: HOLD, RCD, REL, ADJ, MAX, MIN, MEM, °C, °F, Type K, J, E, T, battery alarm, chA, chB, chA-chB (HH82A only)

Other Functions: Auto power-off, battery alarm

Operating Temperature and Humidity:
0°C to 50°C, 20 to 80% RH (no condensation)

Power Requirements: 2 “AA” alkaline dry batteries (included) (LR6)

Battery Life: About 450 hours

Construction: Conforms to IP54 (dust-proof and drip-proof requirements of IEC529)

Dimensions: Approx 151 H x 56 W x 33 mm D (5.9 x 2.2 x 1.3”)

Weight: Approx 180 g (6.3 oz) (including batteries)

Connector: SMP Type

To Order

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HH81A</td>
<td>1-channel multifunction thermometer</td>
</tr>
<tr>
<td>HH82A</td>
<td>2-channel multifunction thermometer</td>
</tr>
</tbody>
</table>

Accessories

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HH-NIST</td>
<td>NIST-traceable calibration, no points</td>
</tr>
<tr>
<td>CAL-3-HH</td>
<td>NIST-traceable calibration, with points</td>
</tr>
<tr>
<td>WPC-80</td>
<td>Waterproof cover</td>
</tr>
<tr>
<td>SC-800</td>
<td>Soft carrying case with belt loop, see omega.com</td>
</tr>
</tbody>
</table>

OMEGACARE extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE covers parts, labor and equivalent loaners.

OGW-3, OMEGACARE extends standard 2-year warranty to a total of 5 years.