

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: $\pm(0.1\% \text{ of rdg} + 1.0^\circ\text{C})$;
-100.0°C to 199.9°C: $\pm(0.1\% \text{ of rdg} + 0.7^\circ\text{C})$; +200°C or above, or when 1°C resolution is set: $\pm(0.2\% \text{ of rdg} + 1^\circ\text{C})$

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: $\pm 20^\circ\text{C}$ of measured value

Display Items: HOLD, RCD, REL, ADJ, MAX, MIN, MEM, °C; T/C 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") (excluding protrusions)

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

Connector: SMP Type



HH82A shown actual size.

To Order

Model	Description
HH81A	1-channel multifunction thermometer
HH82A	2-channel multifunction thermometer
Accessories	
HH-NIST	NIST-traceable calibration, no points
CAL-3-HH	NIST-traceable calibration, with points
WPC-80	Waterproof cover
SC-800	Soft carrying case with belt loop, see omega.com

Comes complete with Type K beaded wire thermocouple (1 per channel), 2 "AA" batteries, operator's manual.

Ordering Examples: HH82A dual input thermometer.

OCW-3, OMEGACARESM extends standard 2-year warranty to a total of 5 years.



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