

Handheld Digital Thermometer

HH200A



- ✓ Compatible with OS36 Infrared Series (See omega.com)
- ✓ High Accuracy ($\pm 0.25\%$ Rdg + 0.2°C)
- ✓ Wide Ambient Operating Range: -30 to 50°C (-22 to 122°F)
- ✓ Auto-Ranging (0.1° Resolution Up to 1000° , 1° Above 1000°)
- ✓ $^{\circ}\text{C}/^{\circ}\text{F}$ Switchable
- ✓ N and R Thermocouples
- ✓ Water Resistant and Include Shock-Resistant Holsters

The HH200A is a highly accurate, microprocessor-based handheld thermometer housed in a durable ABS plastic case and supplied with a shock-resistant rubber holster. Features include a bright LCD, open sensor detection, and low-battery warning. The rugged design of the HH200A thermometer permits use in a wide ambient operating range of -30 to 50°C (-22 to 122°F).

The HH200A is programmable for thermocouple Types J, K, T, R, N, E, S and for OS36 (infrared) measurement. It is also $^{\circ}\text{C}/^{\circ}\text{F}$ switchable, with 0.1° resolution up to 1000° and 1° resolution above 1000° (auto-ranging).

Specifications

Input Connections: Standard OMEGA subminiature thermocouple connector

Cold-Junction Compensation (Thermocouple Input Models): $0.075^{\circ}\text{C}/^{\circ}\text{C}$

Battery: 9V, type MN1604

Battery Life: 200 hours with alkaline battery

Ambient Operating Range: -30 to 50°C (-22 to 122°F)

Temperature Coefficient: 0.01% of reading/ $^{\circ}\text{C}$

Input Types and Ranges

Input	$^{\circ}\text{C}$	$^{\circ}\text{F}$
J Iron-constantan	-200 to 1200	-328 to 2192
K CHROMEALLOY®-ALOMEGA®	-200 to 1372	-328 to 2502
E CHROMEALLOY®-constantan	-200 to 1000	-328 to 1832
T Copper-constantan	-200 to 400	-328 to 752
R Pt/13% Rh-Pt	-50 to 1767	-58 to 3212
N OMEGALLOY® Nicrosil-Nisil	-200 to 1300	-328 to 2372
S Platinum 10% Rhodium/Platinum	-50 to 1767	-58 to 3212
OS36 infrared Type K thermocouple output	-50 to 249	-58 to 480



Thermocouple Unit Sold Separately
Order a Spare!
Model No.
5SC-GG-K-30-36

Dimensions:

130 H x 70 W x 33 mm D
(5.2 x 2.8 x 1.3")

Weight: 155 g (5.5 oz)

Measurement Scales: $^{\circ}\text{F}/^{\circ}\text{C}$

Display: Single $3\frac{1}{2}$ digit

Input Types: J, K, T, E, R, N, S T/C

Accuracy: $\pm(0.25\%$ rdg + $0.2^{\circ}\text{C})$

Temperature Coefficient: $\pm 0.01\%$ rdg/ $^{\circ}\text{C}$

Number of Inputs: 1

Resolution: 0.1° to 1000° ; 1° above 1000° (auto-ranging)

HH200A.

To Order

Model No.	Description
HH200A	Handheld digital thermometer

Accessories

Model No.	Description
SC-450S	Soft carrying case with belt loop

* Auto-ranging to 1° above 1000° (for $^{\circ}\text{F}$). Accuracy at 23°C (73°F) reference conditions.

Comes complete with rubber holster, operator's manual.

Ordering Examples: HH200A, single-input thermocouple indicator.