

307 and 308 Temperature Meters

The Martel Electronics 307 and 308 Temperature Meters provide a variety of options for the accurate measurement of temperature. Both instruments provide $\pm 0.3\%$ of reading or better accuracy and $0.1^{\circ}\text{C}/^{\circ}\text{F}$ resolution over their measurement ranges. Both instruments feature input protection to 60 VDC or 24 Vrms. REL, HOLD, MIN/MAX, and $^{\circ}\text{C}/^{\circ}\text{F}$ selection functions simplify use. Both automatic power off to preserve and extend battery life.



Features:

- ▲ Single (307) or dual (308) inputs
- ▲ -200 to $+1370^{\circ}\text{C}$ / -328°F to $+2,498^{\circ}\text{F}$ measurement range
- ▲ Dual display (308)
- ▲ $^{\circ}\text{C}/^{\circ}\text{F}$ function select button

Model 307

The 307 is a single-input, auto-ranging temperature meter with a measurement range of -200 to $+1370^{\circ}\text{C}$ / -328°F to $+2,498^{\circ}\text{F}$. REL, HOLD, MAX/MIN, and $^{\circ}\text{C}/^{\circ}\text{F}$ selection functions, and temperature unit selection are available at the push of a button.

Model 308

The 308 is a dual-input, dual display, auto-ranging temperature meter with a measurement range of -200 to $+1370^{\circ}\text{C}$ / -328°F to $+2,498^{\circ}\text{F}$. REL, HOLD, MAX/MIN, and $^{\circ}\text{C}/^{\circ}\text{F}$ selection functions, and temperature unit selection are available at the push of a button.

Specifications (25°C unless otherwise noted)

Inputs

307	1
308	2

Measurement Range

Celsius	-200 °C to +1,370 °C
Fahrenheit	-328 °F to +2,498 °F

Input Protection

60 VDC or 24 Vrms AC max.

Accuracy

Celsius	±0.3 % of reading +1.0 °C
Fahrenheit	±0.3 % of reading +2.0 °F

Resolution

Celsius	0.1 °C
Fahrenheit	0.1 °F

Display

307	Single
308	Dual

Special Features

Auto power off, REL function, HOLD function, MAX/MIN function
Autoranging

Temperature Range

Operating	0 °C to +40 °C; <80% RH
Storage	-10 °C to +60 °C

Power Requirements

Battery Type 9 V; NEDA 1604, IEC 6F22, JIS 006P

Mechanical

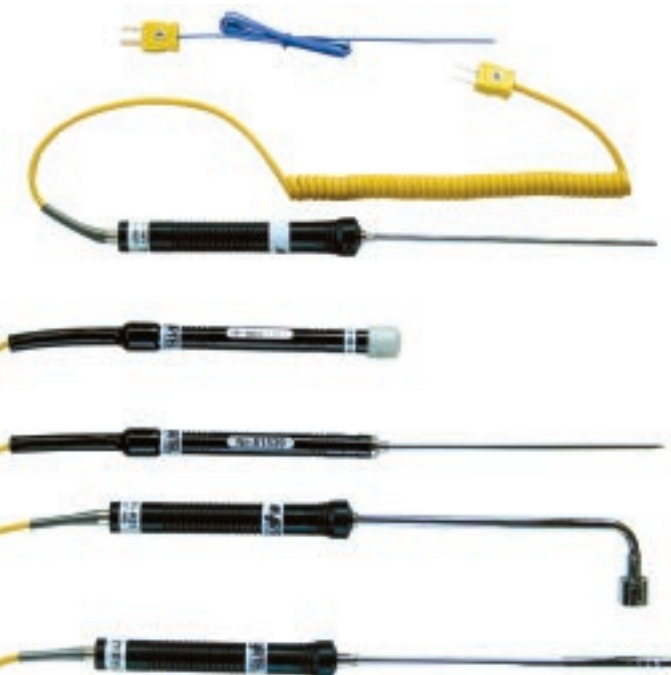
Dimensions	7.2" L x 2.5" W x 1.1" H (18.4 cm x 6.4 cm x 3.0 cm)
Weight	7.0 ounces (200 gms)

Accessories (included)

Battery, instruction manual, Type-K bead sensor (1- w/307; 2- w/308)

Temperature Probe Kits

A variety of temperature probe configurations are available for use with the 307 and 308 temperature meters. All are Type-K, and feature $\pm 2.2^{\circ}\text{C}/\pm 0.75\%$ or $\pm 3.9^{\circ}\text{F}/\pm 0.75\%$ accuracy.



TP-K01 — Bead Probe

-50°C to 200°C / -58°F to +392°F

TP-K02 — Immersion Probe

-50°C to 700°C / -58°F to +1,292°F

TP-K03 — Surface Probe

-50°C to 400°C / -58°F to +752°F

TP-K04 — Piercing Probe

-50°C to 600°C / -58°F to +1,122°F

TP-K05 — Surface Probe

-50°C to 400°C / -58°F to +752°F

TP-K06 — Air & Gas Probe

-50°C to 800°C / -58°F to +1,504°F