

Mineral Insulated Type J & K Thermocouple with Compensated Connector

- Compact mineral-insulated construction
- Precise single-element design
- Custom probe length & various probe diameters
- Withstands vibrations, high pressures, and thermal cycling
- Bendable probe



About

The P44 thermocouple is a highly reliable, multifunction temperature sensor designed for diverse industrial applications. Built with a compact mineral-insulated cable (M.I.C.), it offers exceptional robustness and performance in harsh environments. Its versatile design supports various diameters and lengths, making it adaptable to a wide range of temperature measurement tasks.

Applications

- ✓ Generators
- ✓ Compressors
- ✓ HVAC-R
- ✓ CNC machines
- ✓ Skid Packagers
- ✓ Test Benches
- ✓ More

Build Your Part Number

Series P44

Example: P44LD2K
L = 500mm

Series
P44

Probe Length- - please specify in millimeter (standard lengths from 150mm to 1500mm depending on probe diameter (consult Paquin)
L
Please specify under part number; Example: L = 500 mm

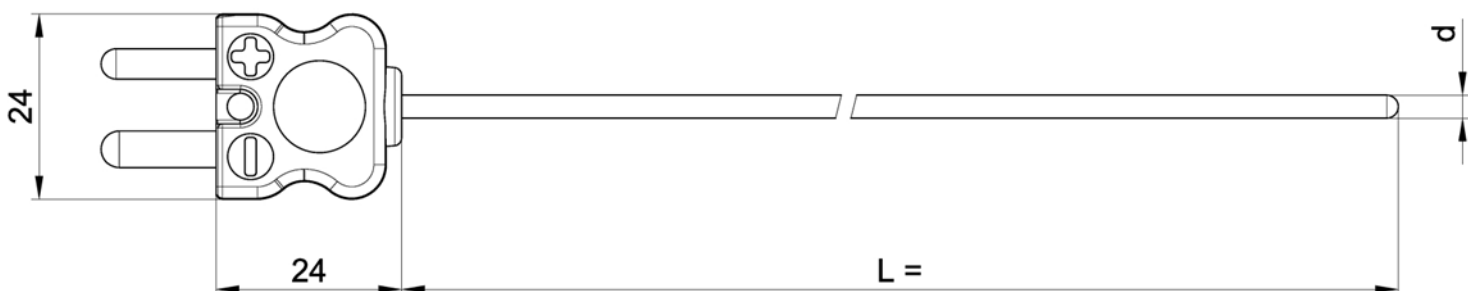
Probe Diameter - select one
D2
2mm
D3
3mm
D4
4.5mm
D5
6mm
D6
8mm

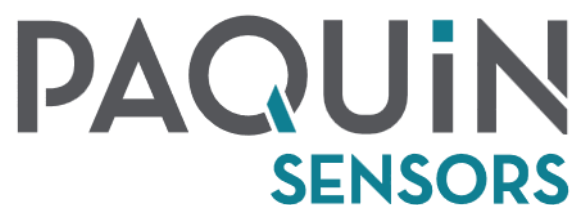
Thermocouple Calibration - select one
K
Type K (cromel-alumel) sheath material INCONEL 600 - sensing part maximum working temperature 2102 °F (1150 °C)
J
Type J (iron-constantan) sheath material AISI 304 - sensing part maximum working temperature 1112 °F (600 °C)

Technical Parameters

Technical Parameters	
Number of sensing elements	Single
Hot measuring joint	Insulated
Output signal type	Thermocouple type J or K
Norm of reference	ANSI MC96.1 and IEC 584
M.I.C. probe minimum bending radius	3 X outer diameter
Insulation resistance	100 M Ω @ 100 Vdc.
Connector type	Compensated male standard
Connection body material	Polyamide (molded)
Maximum connector temperature	392°F (200 °C)

Dimensions (mm)





Paquin Sensors' product portfolio is designed to provide options to fit the most diverse range of specifications.

We collaborate with our customers to match the best product technologies with your unique application requirements.

Please [contact us](#) or call +1 (800) 831-8217 anytime to discuss your needs!