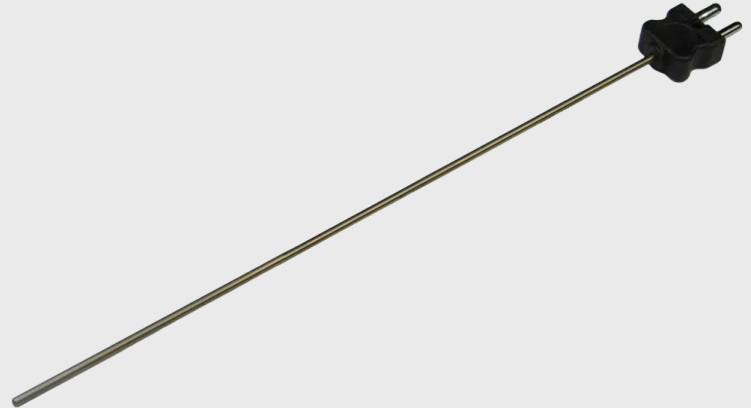


Mineral Insulated Type J & K Thermocouple with Compensated Connector

- Compact mineral-insulated construction
- Precise single-element design
- Reliable in corrosive environments
- Custom probe length & various probe diameters
- Compensated connector
- 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 construction (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
Series

P44

Probe Length - - please specify (see page 3)

L Please specify under part number; Example: L = XXXmm

Probe Diameter - select one

D2	2mm
D3	3mm
D4	4.5mm
D5	6mm
D6	8mm

Thermocouple Calibration - select one

K	Type K (chromel-alumel) INCONEL 600 - sensing part maximum working temperature 2102
J	Type J (iron-constantan) AISI 304 - sensing part maximum working temperature 1112

Adjustable Process Connection allowing for Probe Length Insertion Variation – optional (select only if desired)

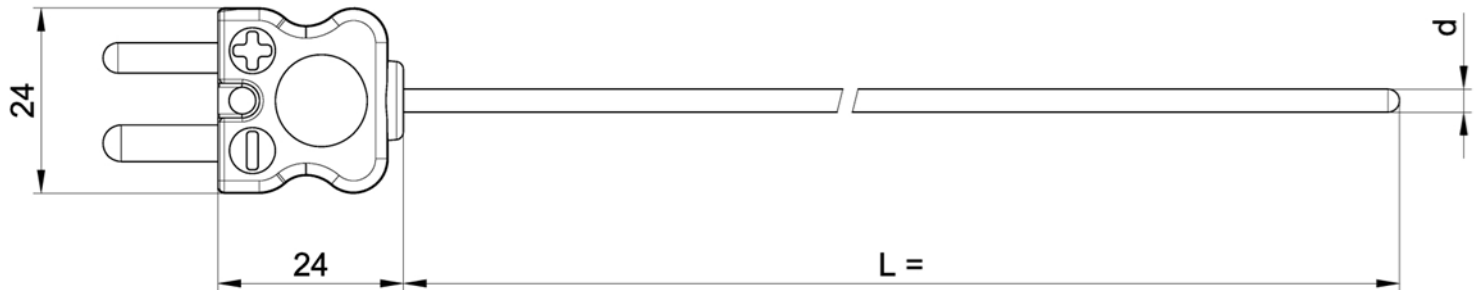
5A	1/8" NPT male (only for 2 and 3mm probe diameters)
5C	1/4" NPT male (only for 3, 4.5 and 6mm probe diameters)
5X	3/8" NPT male (only for 3, 4.5 and 6mm probe diameters)
5E	1/2" NPT male (only for 3, 4.5, 6 and 8mm probe diameters)
5M	G1/8" male (only for 2 and 3mm probe diameters)
5N	G1/4" male (only for 3, 4.5 and 6mm probe diameters)
5Y	G3/8" male (only for 3, 4.5 and 6mm probe diameters)
5Q	G1/2" male (only for 3, 4.5, 6 and 8mm probe diameters)

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. minimum bending radius	3 X outer diameter
Insulation resistance	100 M Ω @ 100 Vdc.
Connector type	Male standard
Connection body material	Polyamide (molded)
Maximum connector temperature	392°F

Dimensions (mm)



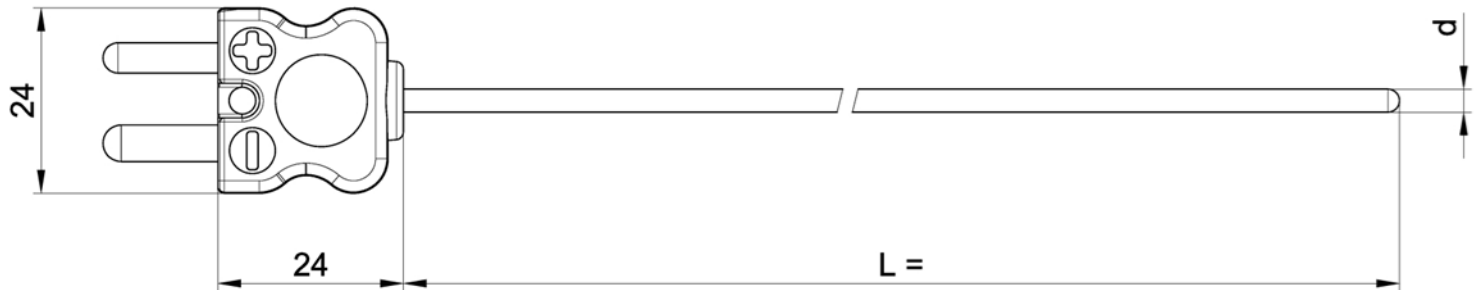
PAQUIN
SENSORS

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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!

Dimensions (mm)



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