

P46 Mineral Insulated Type J & K Thermocouple with Compensated M8x1 Connector

- Compact mineral-insulated construction
- AISI 304 probe for type J (iron-constantan) or INCONEL 600 for type K (chromel-alumel)
- Operation up to 1112°F for type J and up to 2012°F for type K
- Customizable probe lengths & probe diameters
- Over-molded M8 x 1 compensated connector
- Withstands vibrations, high pressures, and thermal cycling



About

The P46 is a compact mineral-insulated cable thermocouple equipped with a robust compensated M8x1 screw connector. Designed for extreme conditions, it combines the benefits of a transition connection with minimal bulk and high environmental resistance. This highly adaptable sensor is available in various diameters and lengths, making it suitable for a broad range of industrial temperature measurement applications.

Applications

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

Build Your Part Number

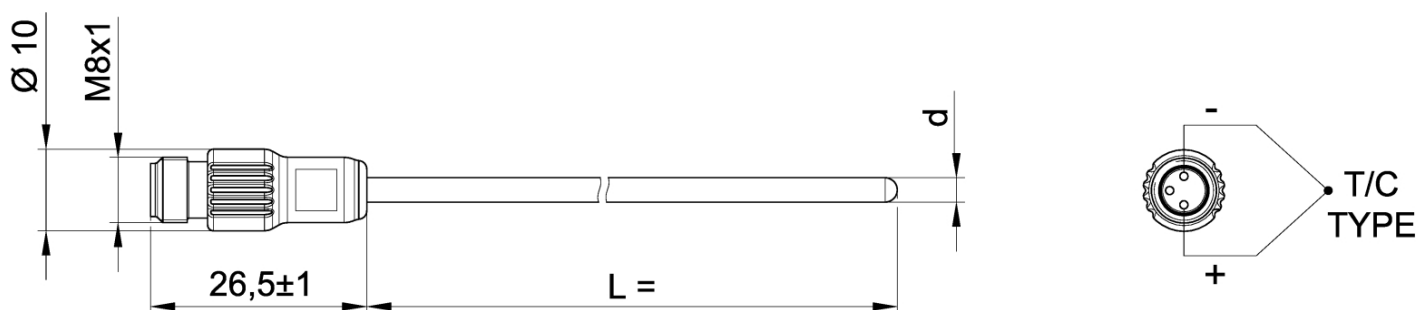
Series P46

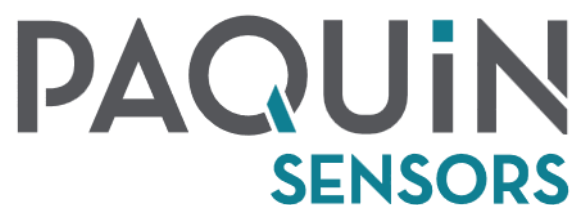
Example: P46L2D21AJ
LX = 225mm

Series	
P46	
Probe Length - select one	
L2	150mm
L3	200mm
L4	250mm
LX	Custom - please specify under part number; Example: LX = 225 mm
Sheath Diameter - select one	
D2	2mm
D3	3mm
Thermocouple Calibration - select one	
J	Type J (iron-constantan) AISI 304 - sensing part maximum working temperature 1112°F (600 °C)
K	Type K (cromel-alumel) INCONEL 600 - sensing part maximum working temperature 2012°F (1100 °C)

Technical Parameters	
Number of sensing elements	Single
Hot measuring joint	Insulated
Output signal type	Thermocouple
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	Compensated, Male M8X1, 3 – pole (2 poles connected, 1 free)
Connection body material	Polyamide (molded)
Maximum connector temperature	248°F (120 °C)
Protection	IP67

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!