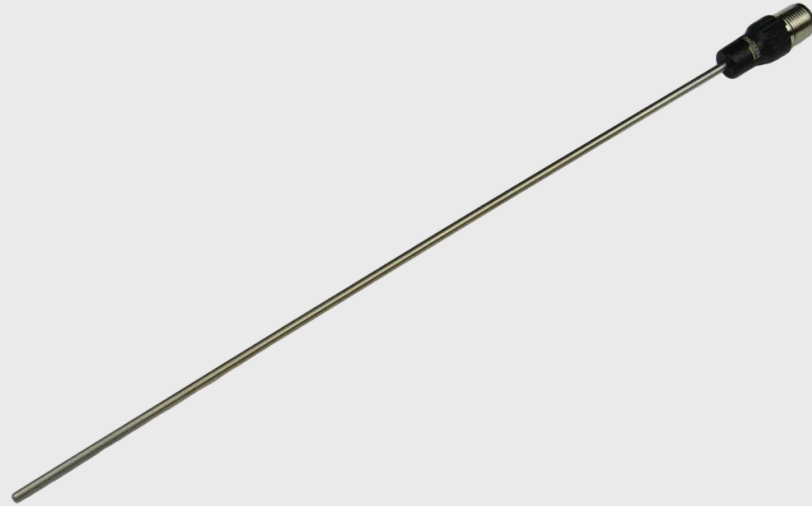


Mineral Insulated Type J & K Thermocouple with Compensated M12x1 Connector

- Single and double thermocouple configurations
- Available in AISI 304 for type J (iron-constantan) or INCONEL 600 for type K (chromel-alumel)
- Operates up to 1112°F (type J) and up to 2102°F (type K)
- Customizable probe lengths & diameters
- IP67-rated



About

The P47 is a robust thermocouple designed for industrial applications, featuring a compensated M12x1 male metal screw connector for secure and reliable installation. Its IP67-rated design ensures excellent protection against environmental factors, while its compatibility with both single and double sensing elements provides versatility for various temperature measurement needs. Available in different lengths and diameters, the P47 is a dependable solution for demanding environments.

Applications

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

Build Your Part Number

Series P47

Example: P47S1L4D31AJ

Series	
P47	

Sensing Element - select one	
S1	Single
S2	Double

Probe Length - select one	
L4	250mm
L6	500mm
L7	1000mm
L8	1500mm
LX	Custom - please specify under part number; Example: LX = XXXmm

Sheath Diameter - select one	
D3	3mm
D4	4.5mm
D5	6mm

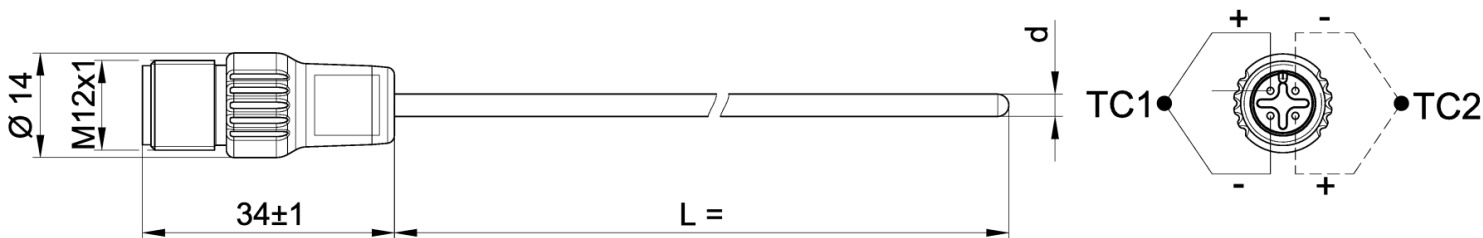
Thermocouple Calibration - select one	
J	Type J (iron-constantan) AISI 304 - sensing part maximum working temperature 1112°F
K	Type K (chromel-alumel) INCONEL 600 - sensing part maximum working temperature 2012°F

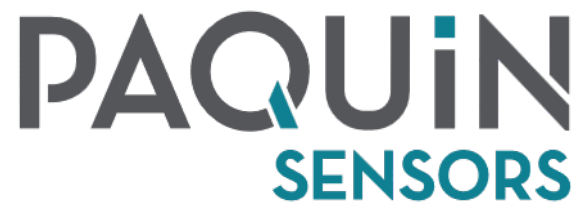
Mating Electrical Connection Assembly - optional; will be quoted as a separate line item <i>keep???</i>	
Part#	
PSE1	M12x1, 5 pole - straight with cable gland (field wireable)
PSE2	M12x1, 5 pole - straight with 1 meter PUR cable
PSE3	M12x1, 5 pole - straight with 3 meter PUR cable
PSE4	M12x1, 5 pole - straight with 1 meter PUR shielded cable
PSE5	M12x1, 5 pole - straight with 3 meter PUR shielded cable
PSE6	M12x1, 5 pole - 90° (field wireable)
PSE7	M12x1, 5 pole - 90° with 1 meter PUR shielded cable
PSE8	M12x1, 5 pole - 90° with 3 meter PUR shielded cable

Technical Parameters

Technical Parameters	
Number of sensing elements	Single or double
Hot measuring joint	Insulated
Output signal type	Thermocouple
Norm of reference	IEC 584
M.I.C. minimum bending radius	3 X outer diameter
Insulation resistance	100 M.Ω@ 100 Vdc.
Connector type	Male M12X1 4-pole
Connection body material	Polyamide (molded)
Maximum connector temperature	248°F
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!