

Thermocouple Probe– Plug and Jack Connector



Variety of Configurations
Single and Dual Junctions
Stainless Steel Case

Custom Designs Available with:

- Degree Specific Case Bends
- Connector Options



The **Probe Thermocouple–Plug and Jack Connector** is constructed with a Stainless Steel case. The sensing junction is embedded into the tip of the sheath. With the junction located in the tip of the case this is the area that needs to be in contact with the process to obtain correct temperature measurement. Fittings associated with the probe designs are related to the mounting technique required by your application. These sensors can be utilized in many different industries and applications. Probe sensors are ideal for immersion in processes.

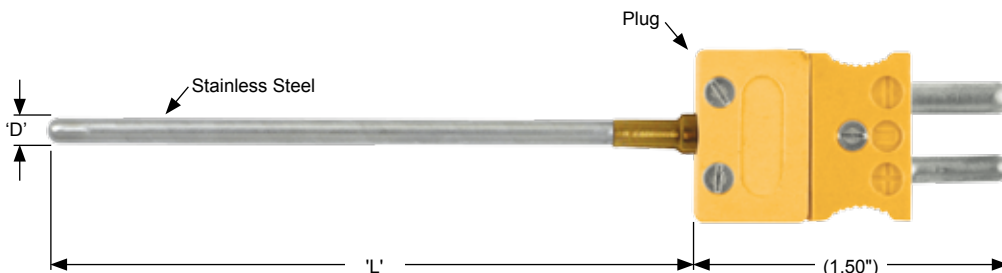
FEATURES

- Sheath Styles:
 - » Stainless Steel
- Junction Types, Single and Dual:
 - » J, K, T, E
 - » Grounded or Ungrounded
- Sheath Diameters:
 - » 0.125", 0.188", 0.250"
- Leadwire/Cable Options

APPLICATIONS

- Process

dimensions



'D' = Sheath Diameter
'L' = Sheath Length

Thermocouple Probe– Plug and Jack Connector

performance specifications

Insulation Resistance – Ungrounded Models:

1,000 megohms @ 500 V, leads to case

Vibration:

Withstands 5 to 500 Hz at 3 g-level peak for 3 hours. Per ASTM E 644, Sec. 10.

Shock:

Withstands 50 g-level peak sine wave shock of 11 milliseconds duration. Per ASTM E 644, Sec. 11

Pressure Rating:

1,500 psi

Thermocouple Temperature Accuracy Specifications:

Type	Temp Range	Standard Limits of Error	Special Limits of Error
T	-200 to 0°C	±1°C or 1.5%	Not ASTM Defined
	0 to 350°C	±1°C or 0.75%	±0.5°C or 0.4%
J	0 to 750°C	±2.2°C or 0.75%	±1.1°C or 0.4%
E	-200 to 0°C	±1.7°C or 1%	Not ASTM Defined
	0 to 900°C	±1.7°C or 0.5%	±1°C or 0.4%
K	-200 to 0°C	±2.2°C or 2%	Not ASTM Defined
	0 to 1,250°C	±2.2°C or 0.75%	±1.1°C or 0.4%

ordering info

Thermocouple Probe–Plug and Jack Connector

Model Temperature Range

202M Moderate: -50 to 250°C (-58 to 482°F)

202H High: Mineral Insulated

Model Thermocouple Type

Model	Thermocouple Type	Element	Color Code
J	J	Single	Red/White [Constantan/Iron]
K	K	Single	Red/Yellow [Alumel/Chromel]
T	T	Single	Red/Blue [Constantan/Copper]
E	E	Single	Red/Purple [Constantan/Chromel]
JJ	JJ	Dual	Red/White // Red/White
KK	KK	Dual	Red/Yellow // Red/Yellow
TT	TT	Dual	Red/Blue // Red/Blue
EE	EE	Dual	Red/Purple // Red/Purple

Model Junction Style

G Grounded Junction
U Ungrounded Junction

Model Limits of Error

A Standard Limits of Error
B Special Limits of Error

Model 'D' Sheath Diameter

A .125" Diameter (Single Junction Only)
B .188" Diameter
C .250" Diameter (Standard Plug and Jack Connector Options Only)

Model Sheath Material

B Stainless Steel
E Inconel (H Only)

Model Connector Options

1 Plug
2 Jack
3 Plug and Jack
4 Miniature Plug
5 Miniature Jack
Miniature Plug and Jack

Model Pin Style

H Hollow (Standard)
S Solid
F Miniature Flat Solid

Model 'L' Sheath Length

---- Define 'L' Length in Inches (12 = 12.0") Note: Minimum 1.5" / Maximum 36.0"

联系方式



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