



MODEL 210M

DIRECT IMMERSION THERMOCOUPLE PROBE

- Variety of Configurations
- Single and Dual Junctions
- Stainless Steel Case
- Oil Resistant
- Pressure Resistant

The Direct Immersion RTD Probe– Twin Threaded Fitting is constructed with a stainless steel sheath and a welded connection. The welded connection is typically a 1/2" x 1/2" NPT, 1/2" x 3/4" NPT or 3/4" x 3/4" NPT connection. The connection is dual threaded for use with a connection head. The sensors are available with single or dual junctions. These sensors are ideal for the process industry where immersion in the application is essential.

Features

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

Applications

- Process
- Aerospace
- Defense
- Hot Melt

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%

Configuration Model Number

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Thermocouple Type

0J	Type J, Single Junction, (Red/White), Constantan/Iron
0K	Type K, Single Junction, (Red/Yellow), Alumel/Chromel
0T	Type T, Single Junction, (Red/Blue), Constantan/Copper
0E	Type E, Single Junction, (Red/Purple), Constantan/Chromel
JJ	Type J, Dual Junction, (Red/White,x2), Constantan/Iron
KK	Type K, Single Junction, (Red/Yellow,x2), Alumel/Chromel
TT	Type T, Single Junction, (Red/Blue,x2), Constantan/Copper
EE	Type E, Single Junction, (Red/Purple,x2), Constantan/Chromel

Junction Style

G	Grounded Junction
U	Ungrounded Junction

Limits of Error (Accuracy)

A	Standard Limits of Error
B	Special Limits of Error

Sheath Length 'L'

###	Define 'L' Length in Inches Minimum 1.00" / Maximum 32.00" Example: (12.00 = 12.00"; 28.25 = 28.25")
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Lead Wire Length 'Y'

###	Define 'Y' Length in Whole Inches Note: Minimum 6" / Maximum 120" Example: (6" = 006; 96" = 096)
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Connection Head

N	No Connection Head
A	Stainless Steel (Std Size)
B	Aluminum
C	Polypropylene
D	Cast Iron
G	Stainless Steel (Mini)

Process x Control Threads

1	1/2NPT x 1/2NPT (Standard)
2	3/4NPT x 3/4NPT

Sheath Diameter 'D'

A	.125" Diameter (Single element only)
B	.188" Diameter
C	.250" Diameter