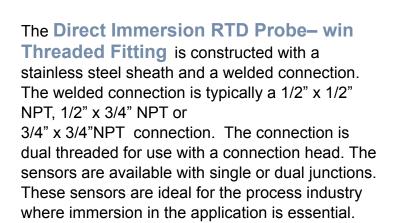
Direct Immersion Thermocouple Probe-Twin Thread Fitting



Variety of Configurations Single and Dual Junctions Stainless Steel Case **Heavy Duty** Oil Resistant Pressure Resistant

Custom Designs Available with:

- Connection Heads
- Transmitters





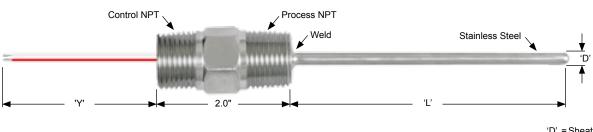
FEATURES

- 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
- Aerospace
- Flow
- Hot Melt

dimensions



'D' = Sheath Diameter 'L' = Sheath Length 'Y' = Leadwire/Cable Length

Direct Immersion Thermocouple Probe SPECIALTIES ... Twin Thread Fitting



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 was 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
Т	-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%
Е	-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%
К	-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%

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ordering info

Model	Temperature Range				
210M	Moderate: -50 to 250°C (-58 to 482°F)				
210H	High: Mineral Insulated (Consult Factory)				
Model	Thermocouple Type	Junction	Color Code		
J	J	Single	Red/White [Constantan/Iron]		
<	K	Single	Red/Yellow [Alumel/Chromel]		
Γ	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				
В	Special Limits of Error				
Model	'D' Sheath Diameter				
A	.125" Diameter (Single Element Only) (Model 210M Only)				
B C	.188" Diameter				
C Model	.250" Diameter				
Modei N	Connection Head (Terminal Block Included) No Connection Head				
A					
A B	Stainless Steel				
C	Aluminum Polypropylene (Model 210M Only)				
D	Cast Iron				
G	Small Stainless Steel				
Model	'L' Sheath Length				
	Define 'L' Length in Inches (12 = 12.0") Note: Minimum 1.5" / Maximum 36.0"				
Model	Sheath Material				
В	Stainless Steel				
Ĕ	Inconel (H Only)				
Model	Process x Control Threads				
1	1/2"NPT x 1/2"NPT (Standard)				
2	1/2"NPT x 3/4"NPT				
3	3/4"NPT x 3/4"NPT				
Model	'Y' Leadwire/Cable Options				
N	No Options, Stranded TFE Leadwires (36.0" Standard)				
W	Leadwire Options				
Model	Additional Options (Leave Code Blank if Not Required)				
T	Transmitter Options				