

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



The **Direct Immersion RTD Probe—win 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.

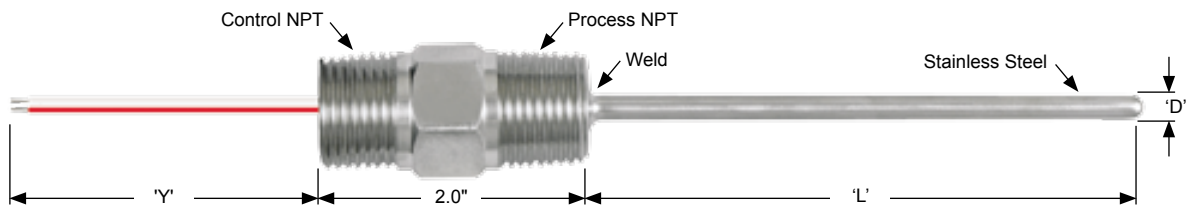
FEATURES

- Sheath Styles:
 - » Stainless Steel
- 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–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 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

Direct Immersion Thermocouple Probe–Twin Thread Fitting

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	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 Element Only) (Model 210M Only)		
B	.188" Diameter		
C	.250" Diameter		
Model	Connection Head (Terminal Block Included)		
N	No Connection Head		
A	Stainless Steel		
B	Aluminum		
C	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		
B	Stainless Steel		
E	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		

联系方式



深圳市亿为测控电子有限公司
Shenzhen Bill-Well Measurement & Control Electronics Co., Ltd.

广东省深圳市南山区创业路怡海广场东座2407 邮编：518000

电话：+86 755 2641 9890 传真：+86 755 2641 9680

电子邮箱：sales@bill-well.com