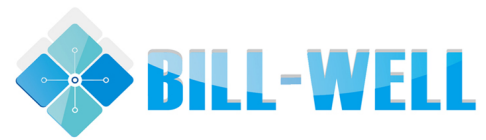


Direct Immersion Thermocouple Probe– Process Thread Fitting



- Variety of Configurations
- Single and Dual Junctions
- Stainless Steel Case
- Heavy Duty
- Oil Resistant
- Pressure Resistant
- Custom Designs Available



The **Direct Immersion RTD Probe–
Process Threaded Fitting** is constructed with a stainless steel sheath and a welded connection. The welded connection is available in 1/8" NPT, 1/4" NPT, 3/8" NPT, 1/2" NPT or 3/4" NPT. The standard connection has a single process thread hex fitting. A reverse thread option is available, with a single control thread hex fitting. The sensors are available with single or dual junctions. These sensors are ideal for the process industry where immersion in the application is essential.

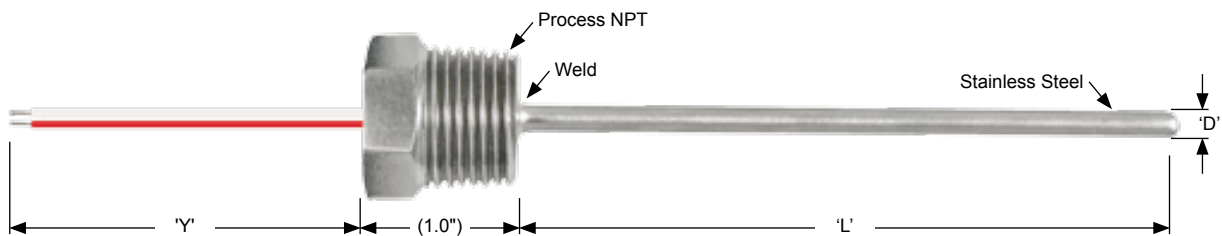
FEATURES

- 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— Process 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—Process Thread Fitting

Model Temperature Range

211M Moderate: -50 to 250°C (-58 to 482°F)

211H High: Mineral Insulated (Consult Factory)

Model Thermocouple Type

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 Process Thread

1 1/8" NPT

2 1/4" NPT

3 3/8" NPT

4 1/2" NPT

5 3/4" NPT

Model Sheath Material

B Stainless Steel

E Inconel (H Only)

Model 'L' Sheath Length

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

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)

R Reverse Thread, Control Threaded Hex

联系方式



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