Configure-To-Order

MODEL 200M

THERMOCOUPLE PROBE

- Variety of Configurations
- Single and Dual Elements
- Stainless Steel Case

The Thermocouple Probe is constructed with a Stainless Steel case. The sensing junction is embedded into the tip of the sheath. 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
- 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

Dimensions

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

Performance Specifications

Temperature Range:
-50 to 250°C (-58 to 482°F)

Pressure Rating:
1,500 psi

Insulation Resistance:
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

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%

Configuration Model Number

200M –__ – ___ – __- ___.___ – ___ – ___

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

Lead Wire Length ‘Y’

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

Sheath Diameter ‘D’

A	.125" Diameter (Single Element Only)
B	.188" Diameter
C	.250" Diameter

Sheath Length ‘L’

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