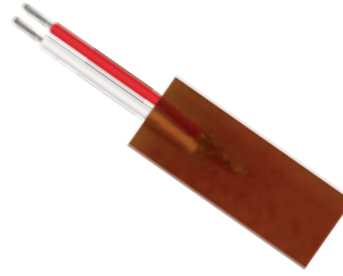


Fast Response
Surface Sensing
Noninvasive, Simple Installation
Flat, Flexible
Custom Dimensions
Polyimide/FEP



The **Polyimide Surface Thermocouple** is a flat, flexible, rectangular sensor with a thermocouple laminated in polyimide. These sensors have the ability to measure temperature on flat, round or uneven surfaces. Measurement Specialties utilizes four standard thermocouple types; J, K, T and E.

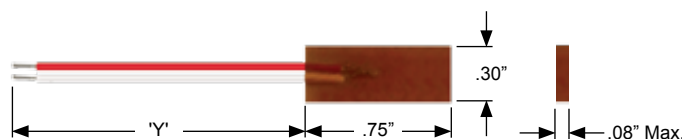
FEATURES

- Temperature Range:
 - » -50° to 200°C (-58° to 392°F)
- Thermocouple Type:
 - » J, K, T, E
- Optional Adhesive Backing
- Leadwire/Cable Options

APPLICATIONS

- Electric Motors
- Generators
- HVAC
- Aerospace

dimensions



'Y' = Leadwire/Cable Length

Polyimide Surface Thermocouple

performance specifications

Time Constant:

1.0 second maximum for 63.2% response to change in temperature per ASTM E644

Dielectric Strength:

1,000 Volts RMS at 60 Hz, for one minute, element to outer surfaces, with 1 mA leakage current

Thermocouple Types:

Type J [Constantan/Iron]
Type K [Alumel/Chromel]
Type E [Constantan/Copper]
Type T [Constantan/Chromel]

Application Temperature Range:

-50 to 200°C (-58 to 392°F)

Leadwires:

Single Junction: 26 AWG PTFE Insulated, Solid Conductor

ordering info

Polyimide Surface Thermocouple			
Model	Temperature Range		
423M	Moderate Temperature Range: -50° to 200°C (-58° to 392°F)		
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]
Model	Junction Style		
G	Grounded Junction (Separate Ground Wire Welded with each Junction)		
U	Ungrounded Junction		
Model	Limits of Error		
A	Standard Limits of Error		
B	Special Limits of Error		
Model	'Y' Leadwire Length		
---	Define 'Y' Length in Inches. (12 = 12.0")		
Model	'Y' Leadwire Options		
N	No Options, Solid PTFE Leadwires (36.0" Standard)		
W	Leadwire Options		
Model	Leadwire Material		
A	PTFE		
Model	Mounting Options		
1	Standard, No Adhesive Backing		
2	Adhesive Backing		

联系方式



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