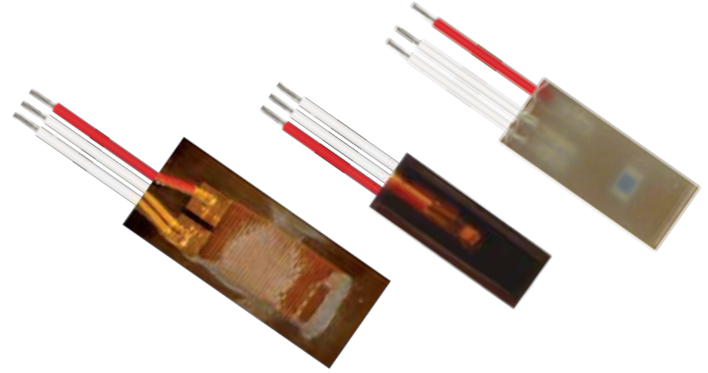


Polyimide Surface RTD Sensor



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



The **Polyimide Surface RTD Sensor** is a flat, flexible, rectangular sensor with a sensing element laminated in Polyimide. They are used to monitor or measure temperature on round or uneven surfaces. For motor and generator applications, they are commonly used in the end turns of the windings. Measurement Specialties has many sizes available from stock or we can customize to meet your specifications.

FEATURES









- Temperature Range:
 - » From -50°C (-58°F) Up To 260°C (500°F)
- Elements:
 - » Platinum, Copper, Nickel
 - » Style: Plotted, Wire Wound, Thin Film
- Optional Adhesive Backing
- Leadwire/Cable Options

APPLICATIONS

- Electric Motors
- Generators
- HVAC
- Aerospace

Polyimide Surface RTD Sensor

dimensions / performance specifications

Dimensions ('L' x 'W' x 'T')	Element	Element Style	Body Material	Temp. Range	Leadwires 'Y'	Features	Model
 1.25" x .500" x .055"	Platinum, Nickel, Copper	Plotted	Polyimide/Acrylic	-50 to 155°C (-58 to 311°F)	26 AWG, PTFE Insulated	Stocked with 96.0" Leadwires	321
 1.25" x .500" x .060"	Platinum	Wound	Polyimide/FEP	-50 to 200°C (-58 to 392°F)	26 AWG, PTFE Insulated	Heavy Duty	322
 .600" x .200" x .079"	Platinum	Thin Film	Polyimide/FEP	-50 to 200°C (-58 to 392°F)	26 AWG, PTFE Insulated	Miniature	323
 .750" x .300" x .090"	Platinum	Thin Film	Polyimide/FEP	-50 to 200°C (-58 to 392°F)	26 AWG, PTFE Insulated	Impact Resistant	324
 5.00" x .305" x .030"	Platinum, Nickel, Copper	Plotted	Polyimide/FEP	-50 to 200°C (-58 to 392°F)	26 AWG, PTFE Insulated	Flexible, Elevated Temperature	325
 1.25" x .500" x .065"	Platinum	Wound	Polyimide/Acrylic	-50 to 155°C (-58 to 311°F)	26 AWG, PTFE Insulated	Flexible, Durable	326
 .500" x .200" x .080"	Platinum	Thin Film	Polyimide Substrate with Silicone Elastomer Cover	-50 to 155°C (-58 to 311°F)	26 AWG, PTFE Insulated	Economical, Used In A Wide Variety of Applications	327
 .600" x .200" x .079"	Platinum	Thin Film	Polyimide/PFA	-50 to 260°C (-58 to 500°F)	26 AWG, PTFE Insulated	High Temperature	329

Note: Custom dimensions are available. Please consult factory. ('L' = Length / 'W' = Width / 'T' = Thickness / 'Y' = Leadwire Length)

ordering info

Polyimide Surface RTD Sensor				
Model	Lamination	Feature		
321	Polyimide/Acrylic	Standard Duty		
322	Polyimide/FEP	Heavy Duty		
323	Polyimide/FEP	Miniature		
324	Polyimide/FEP	Impact Resistant		
325	Polyimide/FEP	Elevated Temperature		
326	Polyimide/Acrylic	Flexible, Durable		
327	Polyimide/Silicone	Economical, Used In A Wide Variety of Applications		
329	Polyimide/PFA	High Temperature, 260°C (500°F)		
Model	Temperature Range			
M	Moderate Temperature: Varies by Model Code, See Detailed Specifications Above.			
Model	Element	Accuracy	Temperature Coefficient	Applicable Model Code
P2A	Platinum	100 Ohm ±.06% at 0°C	.00385	323, 324, 327, 329
P2B	Platinum	100 Ohm ±.12% at 0°C	.00385	All
P2C	Platinum	100 Ohm ±.5% at 0°C	.00385	All
G2C	Platinum	100 Ohm ±.5% at 0°C	.00392	324, 326, 327, 329
P6B	Platinum	1,000 Ohm ±.12% at 0°C	.00385	323, 324, 327, 329
C1D	Copper	10 Ohm ±.2% at 25°C	.00427	321, 322, 325
N3C	Nickel	120 Ohm ±.5% at 0°C	.00672	321, 325
Model	Leadwires, Element Configuration		Color Code	
2S	Two Wire, Single		Red/White	
3S	Three Wire, Single		Red/White/White	
4S	Four Wire, Single		Red/Red/White/White	
Model	'Y' Leadwire/Cable Options			
----	Define 'Y' Length in Inches (120 = 120.0")			
Model	Leadwire Material			
A	PTFE			
Model	Mounting Options			
1	Standard, No Adhesive Backing			
2	Adhesive Backing			

联系方式



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