



MEAS 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. TE has many sizes available from stock or we can customize to meet your specifications.

Features

- Temperature Range:
- » From -50°C (-58°F) Up To 200°C (392°F)
- Elements:
 - » Platinum, Copper, Nickel
 - » Style: Plotted, Wire Wound, Thin Film
- Optional Adhesive Backing
- Leadwire/Cable Options

Applications

- Electric Motors
- Generators
- HVAC
- Aerospace

DIMENSIONS ('L' X 'W' X 'T')	ELEMENT	ELEMENT STYLE	BODY MATERIAL	TEMPERATURE RANGE	LEADWIRES 'Y'	FEATURES	MODEL
≡ 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

Dimensions / Performance Specifications

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



Ordering Information

POLYIMIDE SURFACE RTD SENSOR

Model	Lamination	Feature				
321 322 323 324 325 326 327	Polyimide/Acrylic Polyimide/FEP Polyimide/FEP Polyimide/FEP Polyimide/FEP Polyimide/Acrylic Polyimide/Silicone	Standard Duty Heavy Duty Miniature Impact Resistant Elevated Temperature Flexible, Durable Economical, Used In A Wide	e Variety of Applications			
Model	Temperature Range					
Μ	Moderate Temperature: Varies by Model Code, See Detailed Specifications Above.					
Model	Element	Accuracy	Temperature Coefficient	Applicable Model Code		
P2A P2B P2C G2C P6A P6B C1D N3C	Platinum Platinum Platinum Platinum Platinum Copper Nickel	100 Ohm ±.06% at 0°C 100 Ohm ±.12% at 0°C 100 Ohm ±.5% at 0°C 100 Ohm ±.5% at 0°C 1,000 Ohm ±.06% at 0°C 1,000 Ohm ±.12% at 0°C 10 Ohm ±.2% at 25°C 120 Ohm ±.5% at 0°C	.00385 .00385 .00385 .00392 .00385 .00385 .00427 .00672	323, 324, 327 All All 321, 324, 326 323, 324 323, 324, 327 321, 322, 325 321, 325		
Model	Leadwires, Element Configuration		Color Code			
2S 3S 4S	Two Wire, Single Three Wire, Single Four Wire, Single		Red/White Red/White/White Red/Red/White/White			
Model	'Y' Leadwire/Cable Options					
	Define 'Y' Length in Whole Inches (120 = 120.0" 036 = 36.0")					
Model	Leadwire Material					
A	PTFE					
Model	Mounting Options					
1 2	Standard, No Adhesive Backing Adhesive Backing					

STOCKED PART NUMBERS*

Part Number	Model Number
R-12269-6	322M G2C 3S 096 A 1
R-12269-8	322M P2C 3S 096 A 1

* Please consult factory for availability.

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