



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 / Performance Specifications

DIMENSIONS ('L' X 'W' X 'T')	ELEMENT	ELEMENT STYLE	BODY MATERIAL	TEMPERATURE 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

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	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

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 \pm .06% at 0°C	.00385	323, 324, 327
P2B	Platinum	100 Ohm \pm .12% at 0°C	.00385	All
P2C	Platinum	100 Ohm \pm .5% at 0°C	.00385	All
G2C	Platinum	100 Ohm \pm .5% at 0°C	.00392	321, 324, 326
P6A	Platinum	1,000 Ohm \pm .06% at 0°C	.00385	323, 324
P6B	Platinum	1,000 Ohm \pm .12% at 0°C	.00385	323, 324, 327
C1D	Copper	10 Ohm \pm .2% at 25°C	.00427	321, 322, 325
N3C	Nickel	120 Ohm \pm .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 Whole Inches (120 = 120.0" 036 = 36.0")

Model Leadwire Material

A PTFE

Model Mounting Options

- 1 Standard, No Adhesive Backing
- 2 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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