

MEAS STATOR RTD

Temperature Sensor

- Variety of Configurations
- Single and Dual Elements
- Custom Designs Available with:
 - » Specific Dimensions
 - » Side Exit
 - » Paddle Style
 - » High Accuracy
 - » Special Cable or Leadwires

The Stator RTD Sensor is a rectangular, flat, laminated sensors commonly called "Stator Sticks" because they are inserted between the coils in the stator of a motor. These averaging type sensors are used in electric motors and generators for continuous sensing of the temperature and provide for consistent thermal monitoring without false alarms. Many sizes are in stock or we can customize for your application. Our Stator RTD sensors are built to meet the specifications of ANSI C50.10-1990, general requirements for synchronous motors. We can build to your specifications!

Features

- Rear Exit, Epoxy Glass Laminated
- Elements, Single and Dual:
 - » Platinum, Copper, Nickel
- Custom Body Thickness: .030" to .375"
 - » Standard: .030", .050", .078", .093", .125"
- Custom Body Widths: .250" to 2.50"
 - » Standard: .260", .305", .344", .455", .500", .625"
- Leadwire/Cable Options

Applications

- Industrial
- Electric Motors
- Generators

Temperature Sensor

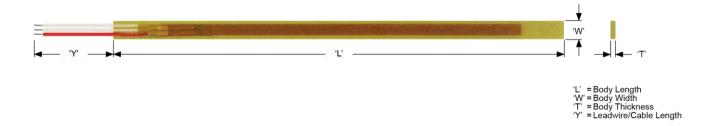
Performance Specifications

Dielectric Strength:
Class F: 3,000 volts RMS @ 60 Hz for 1 minute, between leads and external body surface
Class H: 2,000 volts RMS @ 60 Hz for 1 minute, between leads and external body surface

Temperature Limits: Class F: 155°C (311°F) Class H: 180°C (356°F)

RTD Leadwires: Two Wire, Three Wire or Four Wire Standard: Stranded Copper plated wire with PTFE insulation Other leadwire coverings available

Dimensions



Ordering Information

STATOR RTD SENSOR, REAR EXIT						
Model	Classification	Temperatur	e Limit	Material	Dielectric Strength	
300F 300H	Class F Class H	155°C 180°C		Epoxy Glass Epoxy Glass	3,000 Volts 2,000 Volts	
Model	Element	Accuracy		Temperature Coefficient		
P2B P2C P2D G2C C1D N3C	Platinum Platinum Platinum Platinum Copper Nickel	100 Ohm ±.12% at 0°C 100 Ohm ±.5% at 0°C 100 Ohm ±.2% at 0°C 100 Ohm ±.5% at 0°C 10 Ohm ±.2% at 25°C 120 Ohm ±.5% at 0°C		.00385 .00385 .00385 .00392 .00427 .00672		
Model	'L' Body Length					
	Define 'L' Length in Inches Example: 10.00 = 10.00"; 6.25 = 6.25"					
Model	Leadwires, Element Configuration		Color Code			
2S 3S 4S 3D	Two Wire, Single Three Wire, Single Four Wire, Single Three Wire, Dual		Red/White Red/White/White Red/Red/White/White Red/White/White // Blue/Yellow/Yellow			
Model	'T' Body Thickness Standard Leadwires					
A B C D E F G H	.030" 30 AWG .050" 26 AWG .078" 22 AWG .093" 22 AWG .125" 22 AWG .093" 22 AWG, Jac .125" 22 AWG, Jac .030" 26 AWG (0.0					
Model	'Y' Leadwire/Cable Options					
	Define 'Y' Length in Whole Inches (120 = 120.0"; 036 = 36.0")					
Model	'W' Body Width					
A B C D E	.260" (Single Element Only) .305" (Single Element Only) .344" (Single Element Only) .455" (Single Element Only) .500"					

STOCKED PART NUMBERS*						
Part Number	Model Number					
R-8203 R-8204 R-8205 R-7119 R-1802 20021264-00 R-5156	300H C1D 10.00 3S H 180 A 300H P2C 10.00 3S H 180 A 300H N3C 10.00 3S H 180 A 300H P2C 10.00 3S C 180 B 300H C1D 10.00 3S C 036 B 300F G2C 11.00 3S B 096 C 300F G2C 12.00 3S B 096 C					
R-7124 R-7123	300H C1D 6.00 3S H 180 A 300H N3C 6.00 3S H 180 A					
R-10256-23	300H P2C 10.00 3D A 096 E					

^{*} Please consult factory for availability.

NORTH AMERICA

.625"

F

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