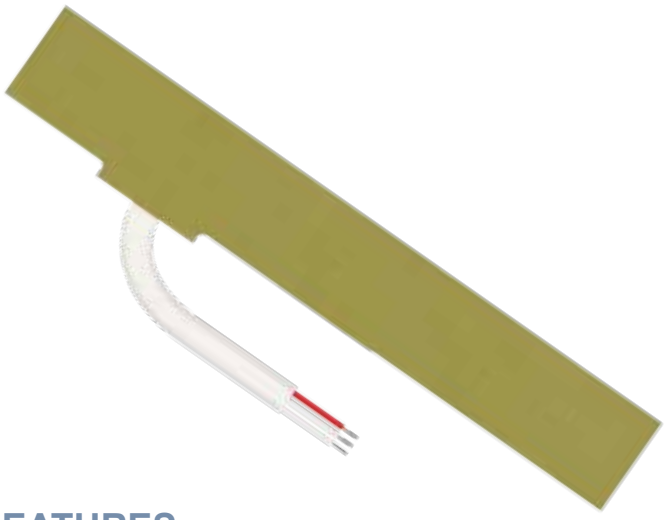
Side Exit Stator RTD Sensor

Variety of Configurations
Single and Dual Elements

Custom Designs Available with:
- Specific Dimensions
- High Accuracy
- Special Cable or Leadwires
- Electrically Conductive Coating



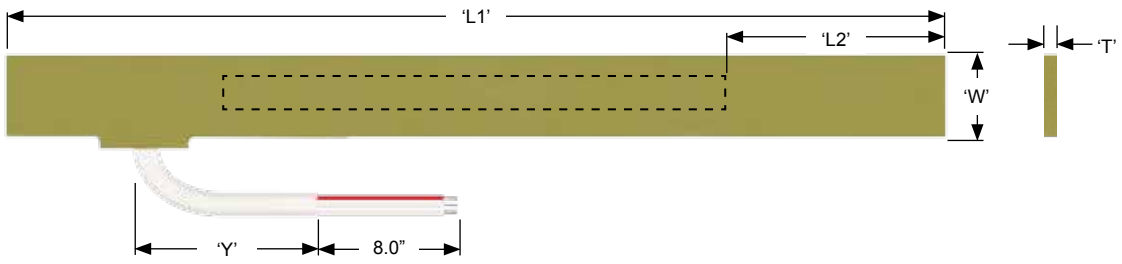
The **Side Exit Stator RTD Sensor** is a rectangular, flat, laminated sensors commonly called “Stator Sticks” because they are inserted between the coils in the stator of a motor. These averaging type sensors are used in electric motors and generators for continuous sensing of the temperature and provide for consistent thermal monitoring without false alarms.

Side exit stator RTD sensors differ from standard rear exit stators in that the lead wire or cable exits from the side of the body. Initially a custom sensor, side exits are becoming a popular replacement for the rear exit due to less stress on the lead wire or cable when routing to the controller.

FEATURES
- Side Exit, Epoxy Glass Laminated
- Elements, Single and Dual:
  - Platinum, Copper, Nickel
- Custom Body Thickness: .078” to .375”
  - Standard: .078”, .093”, .125”
- Custom Body Widths: .500” to 2.50”
- Leadwire/Cable Options

APPLICATIONS
- Electric Motors
- Generators

dimensions



‘L1’= Body Length
‘L2’= Sensing Element Position
‘W’ = Body Width
‘T’ = Body Thickness
‘Y’ = Leadwire/Cable Length

Side Exit Stator RTD 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:
Three Wire or Four Wire
Standard: Stranded Copper plated wire with PTFE insulation

ordering info

Side Exit Stator RTD Sensor				
Model	**Classification**	**Temperature Limit**	**Material**	**Dielectric Strength**
301F	Class F	155°C	Epoxy Glass	3,000 Volts
301H	Class H	180°C	Epoxy Glass	2,000 Volts
Model	**Element**	**Accuracy**	**Temperature Coefficient**	
P2B	Platinum	100 Ohm ±.12% at 0°C	.00385	
P2C	Platinum	100 Ohm ±.5% at 0°C	.00385	
P2D	Platinum	100 Ohm ±.2% at 0°C	.00385	
G2C	Platinum	100 Ohm ±.5% at 0°C	.00392	
C1D	Copper	10 Ohm ±.2% at 25°C	.00427	
N3C	Nickel	120 Ohm ±.5% at 0°C	.00672	
Model	**'L1' Body Length**			
----	Define 'L1' Length in Inches (12 = 12.0")			
Model	**Leadwires, Element Configuration**		**Color Code**	
3S	Three Wire, Single		Red/White/White	
4S	Four Wire, Single		Red/White/White	
3D	Three Wire, Dual		Red/White/White // Blue/Yellow/Yellow	
4D	Four Wire, Dual		Red/Red/White/White // Blue/Blue/Yellow/Yellow	
Model	**'L2' Sensing Element Position**			
	Define 'L2' Length in Inches (12 = 12.0")			
Model	**'T' Body Thickness**	**Standard Leadwires**		
A	.078"	22 AWG Leadwires with Fiberglass Sleeving		
B	.093"	22 AWG Leadwires with Fiberglass Sleeving		
C	.093"	22 AWG Cable		
D	.125"	22 AWG Leadwires with Fiberglass Sleeving		
E	.125"	22 AWG Cable		
Model	**'Y' Leadwire/Cable Options**			
----	Define 'Y' Length in Inches (120 = 120.0")			
Model	**'W' Body Width**			
----	Define 'W' Width in Inches (1 = 1.0")			
Model	**Leadwire Termination**			
1	Stripped and Tinned			
2	1.0" Staggered with Butt Splice			

联系方式

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