

MEAS PADDLE STATOR RTD SENSOR

- ♦ Variety of Configurations
- ♦ Single and Dual Elements
- ♦ Custom Designs Available with:
 - » High Accuracy
 - » Special Cable or Leadwires

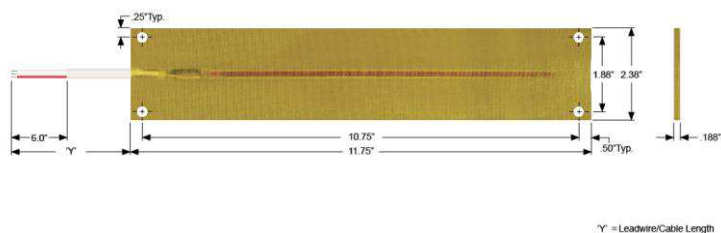
The Paddle Stator RTD Sensor, also called Air or Gas RTDs. Paddle Stator RTD Sensors measure incoming or outgoing air temperatures in motors and generators. Paddle Stator RTDs are built with holes for mounting, the air sensors provide consistent thermal monitoring without false alarms. Measurement Specialties' Paddle Stator RTD Sensors are built to meet the specifications of ANSI C50.10-1990, general requirements for synchronous motors.

Features

- ♦ Rear Exit, Epoxy Glass Laminated
- ♦ Elements, Single and Dual:
 - » Platinum, Copper, Nickel
- ♦ Leadwire/Cable Options

Applications

- ♦ Electric Motors
- ♦ Generators



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)

RTD Leadwires:

RTD Leadwires:

Three Wire or Four Wire

Standard: Stranded Copper plated wire with PTFE insulation

Ordering Information

PADDLE STATOR RTD SENSORS

Model	Classification	Temperature Limit	Material	Dielectric Strength
302F	Class F	155°C	Epoxy Glass	3,000 Volts

Model	Element	Accuracy	Temperature Coefficient
P2B	Platinum	100 Ohm \pm .12% at 0°C	.00385
P2C	Platinum	100 Ohm \pm .5% at 0°C	.00385
P2D	Platinum	100 Ohm \pm .2% at 0°C	.00385
G2C	Platinum	100 Ohm \pm .5% at 0°C	.00392
C1D	Copper	10 Ohm \pm .2% at 25°C	.00427
N3C	Nickel	120 Ohm \pm .5% at 0°C	.00672

Model	Leadwires, Element Configuration	Color Code
3S	Three Wire, Single	Red/White/White
4S	Four Wire, Single	Red/Red/White/White
3D	Three Wire, Dual	Red/White/White // Blue/Yellow/Yellow

Model	'Y' Leadwire/Cable Options
----	Define 'Y' Length in Whole Inches (120 = 120.0"; 036 = 36.0")

Model	Leadwire/Cable Options
A	Leadwire Only
B	Leadwire with Cable

Model	Leadwire Termination
1	Stripped and Tinned
2	1.0" Staggered with Butt Splice

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