



Features

- Sheath Styles:
 - » 304/316 Stainless Steel with Copper alloy tip
- Elements, Single and Dual:
 » Platinum, Copper, Nickel
- Sheath Diameters:» .188", .215", .236" (6.0 mm), .250"
- · Leadwire/Cable options

Applications

- Motors
- Generators

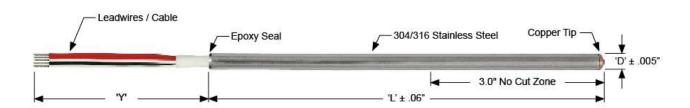
MEAS INCREASED SAFETY SENSORS-ATEX/IECEX/FM APPROVED BEARING RTD, TIP SENSITIVE

- Variety of Configurations
- Single and Dual Elements

Increased Safety Sensors– ATEX/IECEx/FM Approved Bearing RTD, Tip Sensitive

- Copper tipped construction for fast thermal response
- Used to continuously monitor the temperatures of motor/generator shaft bearings
- Designed for use in hazardous areas where flammable gas may be present
- EC-type certificate: FM 11 ATEX 0029U
- IECEx certificate: FMG 12.0021U

Dimensions



'D' = Sheath Diameter 'L' = Sheath Length 'Y' = Leadwire/Cable Length

Performance Specifications

Approvals:



II 2 G Ex e IIC Gb FM11ATEX0029U IECEx FMG 12.0021U



Class I, Zone 1, AEx/Ex e IIC MAX 0.01W

Temperature Range:

-60 to 180°C (-76 to 356°F)

Rated Pressure Range:

Up To 50 PSI

Sheath Material:

304/316 Stainless Steel with fast response Copper tip

Leadwires:

Two, Three or Four Wire Configurations

Dielectric Strength:

1,500 VAC at 60 Hz with 1 mA Maximum Leakage Current

Insulation Resistance:

1,000 megohms minimum between element and case at 500 VDC $\,$

100 megohms minimum between elements at 50 VDC (dual RTD sensors only)

Excitation Current:

1 mA Nominal, 5 mA Maximum. At Maximum Excitation Current, Sensor Will Dissipate No More Than 0.01 Watts of Power and Generate a Maximum Voltage of 1.75 Volts.

Sensor Length:

4.0" Minimum

Sensor Diameters:

.188", .215", .236" (6.0 mm), .250"

Ordering Information

INCREASED SAFETY SENSORS-ATEX/IECEX/FM APPROVED BEARING RTD, TIP SENSITIVE				
Model	Cable/Lead Configuration			
1180 1181 1182 1190 1191 1192	Bearing Sensor with Copper Tip, TFE Leads Bearing Sensor with Copper Tip, Jacketed Cable Bearing Sensor with Copper Tip, Shielded Jacketed Cable Bearing Sensor with Copper Tip, TFE Leads, PTFE Sheath Isolator Bearing Sensor with Copper Tip, Jacketed Cable, PTFE Sheath Isolator Bearing Sensor with Copper Tip, Shielded Jacketed Cable, PTFE Sheath Isolator			
	Element Configuration (Single Elements Only)			
Model	Element	Nominal Resistance	Accuracy	Temperature Coefficient
P2A P2B P2C P6A P6B G2B G2C N3C	Platinum Platinum Platinum Platinum Platinum Platinum Platinum Nickel	100 100 100 1,000 1,000 100 100 120	0.06% 0.12% 0.50% 0.06% 0.12% 0.12% 0.50%	0.00385 0.00385 0.00385 0.00385 0.00392 0.00392 0.00672
Model	Leadwire (Configuration	Element	
2S 3S 4S 2D 3D 4D	Two Wire Three Wire Four Wire Two Wire Three Wire Four Wire		Single Single Single Dual Dual Dual	
Model	'L' Sheath Length			
	Define 'L' Length in .1 Inches. Minimum Length: 4.0 Inches Example: (120 = 12.0"; 063 = 6.3")			
Model	'D' Sheath Diameter			
B C D E	0.188" 0.250" 0.215" 6.0 mm			
	'Y' Leadwire/Cable Length			
Model	'Y' Leadwi	re/Cable Length		



MEAS INCREADED SAFETY SENSORS— ATEX/IECEX/FM APPROVED BEARING RTD, TIP SENSITIVE

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