



MEAS EXPLOSION-PROOF SENSOR ASSEMBLY-THERMOCOUPLE, QUICK RELEASE SPRING LOADED FITTING WITH TRANSMITTER

- Variety of Configurations
- Single and Dual Junctions
- Stainless Steel Case with Alloy Tip

Explosion-proof Sensor Assembly-Thermocouple, Quick Release Spring Loaded Fitting with Transmitter

- ◆ Tip sensitive, spring-loaded temperature sensor assembly
- Used in electric motors and generators for continuous sensing of the temperature of the bearings
- ◆ Approved for use in explosion-proof and flameproof applications
- ◆ U.S. or European threads available

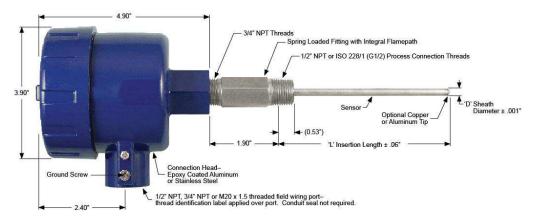
Features

- ◆ Sheath Styles:
 - » Stainless Steel with Copper or Aluminum Tip
- ◆ Junction Types, Single and Dual:
 - » J, K, T, E
 - » Grounded or Ungrounded
- ◆ Sheath Diameters:
 - » .188", .215", .236" (6.0 mm), .250"
- ◆ Transmitter

Applications

- ◆ Motors
- ◆ Generators

Dimensions



Performance Specifications

Temperature Range (Process): -50°C to 260°C

Material:

Probe: 304 or 316 Stainless Steel with Fast Response Copper or Aluminum Tip

Extension Fittings: 303 Stainless Steel

Connection Head: Epoxy Coated Aluminum or Stainless

Steel

Terminal Block: 94V-0 Rated Fiberglass

Pressure Rating:

50 psi (3.4 bar)

Insulation Resistance – Underground Model Only: 1,000 megohms minimum between element and case at

500 VDC

Dual Junction: 100 megohms minimum between elements

at 500 VDC

Time Constant (typical 3 ft/sec in moving water): 3 seconds

Explosion-proof and Flameproof Ratings:

National and Canadian Electrical Code:

Class I, Division 1, Groups B, C, and D

Class II/III, Division 1, Groups E, F, and G T5 (Ta=80°C) T6 (Ta=65°C)

T5 (Ta=80°C), T6 (Ta=65°C) National Electrical Code (Article 505):

Class I, Zone 1, AEx d IIC T5 (Ta=80°C), T6 (Ta=65°C)

Canadian Electrical Code (IEC 60079):

Class I, Zone 1, Ex d IIC T5 (Ta=80°C), T6 (Ta=65°C)

ATEX:

II 2 G Ex d IIC T5 (Ta= -50°C to 80°C), T6 (Ta= -50°C to 65°C) Gb

MEAS EXPLOSION-PROOF SENSOR ASSEMBLY-THERMOCOUPLE, QUICK RELEASE SPRING LOADED FITTING WITH TRANSMITTER

EXPLOSION-PROOF SENSOR ASSEMBLY-RTD, QUICK RELEASE SPRING LOADED FITTING WITH TRANSMITTER

Ordering Information

Model						
1023	Explosion-proof Sensor Assembly–RTD, Quick Release Spring Loaded Fitting with Transmitter					
	Junction Configuration					
	Single Model	Dual Model	Thermocouple Type	Color Code		
	T J K E	TT JJ KK EE	Type T Type J Type K Type E	Red/White [Constantan/Iron] Red/Yellow [Alumel/Chromel] Red/Blue [Constantan/Copper] Red/Purple [Constantan/Chromel]		
Model	Junction Style					
G	Grounded					
U	Ungrounded					
Model	'L' Insertion Length					
	Define 'L' Length in 0.1 Inch Increments. Minimum Length: 1.0 Inches / Maximum Length: 40.0 Inches Example: (120 = 12.0"; 063 = 6.3")					
Model	Connection Head (Fiberglass Terminal Block Included)					
R S	Large Epoxy-Coated Aluminum Explosion-proof Large Stainless Steel Explosion-proof					
Model	Connection Head Conduit Thread					
4 5 6	1/2" NPT 3/4" NPT M20 x 1.5 (Model 6 not for use in Canadian Divisions)					
Model	Extension Fitting					
F G	Spring Loaded Quick Release Fitting (1/2" NPT Process) Spring Loaded Quick Release Fitting (G 1/2" Process)					
Model	Sheath Diameter					
B D E C	.188" Diameter .215" Diameter .236" Diameter (6mm) .250" Diameter					
Model	Transmitter					
Т	Programmable Analog Transmitter (One Transmitter Only on Dual Models)					
Model	Transmitter Minimum Temperature (4 mA Output)					
			Define Temperature. Use 'N' to Define Negative Temperatures, 'P' to Define Positive Temperatures. (Example: N50= -50 Degrees)			

Define Temperature. Use 'N' to Define Negative Temperatures, 'P' to Define Positive Temperatures. (Example: P100= +100 Degrees)

Model Temperature Scale

Transmitter Maximum Temperature (4 mA Output)

C Degrees Celcius F Degrees Farenheit





NORTH AMERICA

Model

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