

Explosionproof Sensor Assembly– Thermocouple, Quick Release Spring Loaded Fitting



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



Explosionproof Sensor Assembly– Thermocouple, Quick Release Spring Loaded Fitting

- 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 explosionproof 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"

APPLICATIONS

- Motors
- Generators

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)

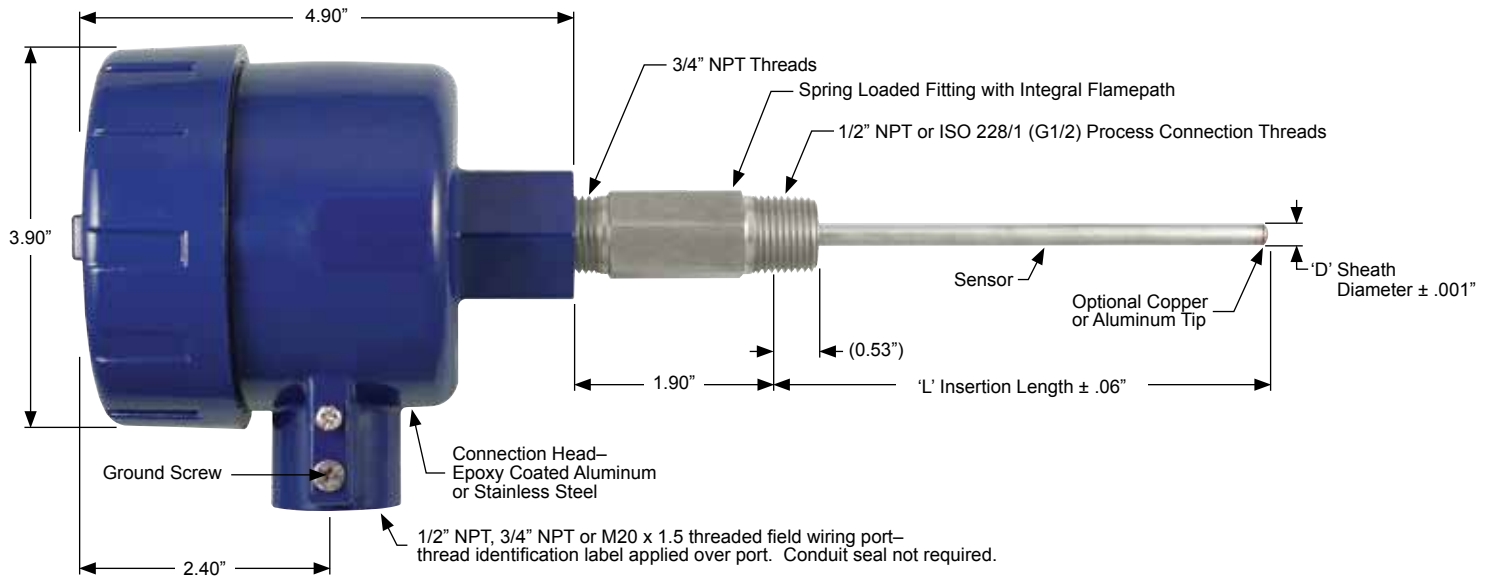
Insulation Resistance - Ungrounded Model Only:
1,000 megOhms minimum between element and case at 500 VDC
Dual Junction: 100 megOhms minimum between elements at 500 VDC

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

Explosionproof 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)
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

Explosionproof Sensor Assembly– Thermocouple, Quick Release Spring Loaded Fitting

dimensions



ordering info

Explosionproof Sensor Assembly–Thermocouple, Quick Release Spring Loaded Fitting

Model	1022 Explosionproof Sensor Assembly–Thermocouple, Quick Release Spring Loaded Fitting			
Junction Configuration	Single Model	Dual Model	Thermocouple Type	Color Code
	T	TT	Type T	Red/White [Constantan/Iron]
	J	JJ	Type J	Red/Yellow [Alumel/Chromel]
	K	KK	Type K	Red/Blue [Constantan/Copper]
	E	EE	Type E	Red/Purple [Constantan/Chromel]
Model	'L' Insertion Length			
---	Define 'L' Length in 0.1 Inch Increments. Minimum Length: 1.0 Inches / Maximum Length: 40.0 Inches			
Model	Connection Head (Fiberglass Terminal Block Included)			
R	Large Epoxy-Coated Aluminum Explosionproof			
S	Large Stainless Steel Explosionproof			
Model	Connection Head Conduit Thread			
4	1/2" NPT			
5	3/4" NPT			
6	M20 x 1.5 (Model 6 not for use in Canadian Divisions)			
Model	Extension Fitting			
F	Spring Loaded Quick Release Fitting (1/2" NPT Process)			
G	Spring Loaded Quick Release Fitting (G 1/2" Process)			
Model	Sheath Diameter			
B	.188" Diameter			
D	.215" Diameter			
E	.236" Diameter (6mm)			
C	.250" Diameter			



联系方式



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