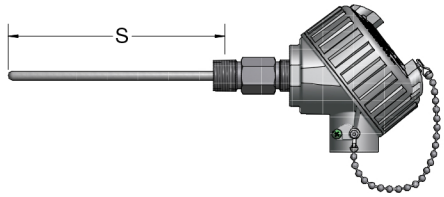
Hazardous Location

Configuration Code XP06
Hazardous Location Explosion-Proof-Certified, Spring-Loaded Thermocouple Assemblies

Explosion-Proof, Spring-Loaded Thermocouples are made for use in U.S. and Canadian hazardous areas. They are designed to extinguish flames inside the device, eliminating the potential for ignition of flammable mixtures in the surrounding atmosphere. FM and CSA certified assemblies, dependent on connection head type, meet XP Class I Division I & II; Groups B, C, D; DIP Class II Division I; Groups E, F, G; Class III; Type 4/4X.Pyromation provides sensors for installation into your existing thermowell or provides the required thermowell as part of the assembly. Refer to the Thermowell Section of this catalog for product selection. The assemblies feature 316 stainless steel sheaths and ungrounded isolated junctions. They are available with aluminum or stainless steel explosion-proof connection heads. **Note:** The "S" dimension will measure 1/4" longer than specified when the spring is in the relaxed position. The "S" dimension is calculated when the sensor is compressed or in the installed position. This design allows 1/4" spring compression to ensure positive contact with the bottom of the thermowell.



CSA® FM APPROVED

ORDER CODES

Example Order Number:

1-0		2-1	2-2	2-3		3-0		4-0		5-0	5-1	5-2	
XP	-	J	48	U	-	012	-	FP	-	8HN	94,	T-	Select Type and Range from back of Section

1-0 Agency Approval

CODE	DESCRIPTION
XP	FM/CSA explosion-proof-certified assembly

2-1 Thermocouple Types

CODE		
SINGLE	*DUPLEX*	*TRIPLEX*
E	EE	-
J	JJ	JJJ
K	KK	KKK
T	TT	-

2-2 Sheath Diameters 316 SS

CODE	DIAMETER (inches)
48	1/4

2-3 Measuring Junction

CODE	DESCRIPTION
U	Ungrounded

3-0 "S" Dimensions

Insert three digit sheath length ("S" Dimension) in inches

4-0 Element Options

FP	Spring-loaded element with flame path

5-1 Head Terminations

CODE	DESCRIPTION
74	DIN form B aluminum explosion-proof head
75T-642D	(4 to 20) mA HART® Field Transmitter with aluminum explosion-proof housing
76T82-D10	(4 to 20) mA dual input HART® Field Transmitter with digital display and explosion-proof aluminum housing
77T-662C	(4 to 20) mA HART® Field Transmitter with dual cavity explosion-proof aluminum housing
93	Aluminum explosion-proof head
94	316L stainless steel explosion-proof head
5-2 Options	
SB	1/2" NPT conduit reducer bushing
I	Stainless steel tag
T-441	(4 to 20) mA isolated head-mounted transmitter
T-442	(4 to 20) mA HART® isolated head-mounted transmitter
T82-00	(4 to 20) mA dual input, isolated HART® head-mounted transmitter
See transmitter ordering information in back of section.	

5-0 Head Mounting Fittings

CODE	DESCRIPTION
316 STAINLESS STEEL FITTINGS	
8HN	1/2" NPT flame-path fitting (1-1/2" "E" length)
8PU4[1]	1/2" NPT union/nipple with flame-path fitting (specify "E" length in inches, maximum allowable 9")
[1] For longer lengths replace "4" with length in inches.	

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