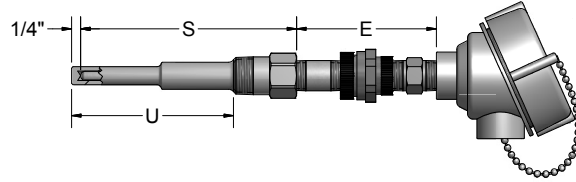


Explosion-Proof Thermocouple Assemblies with Thermowells are made for use in U.S. and Canadian hazardous areas. They are designed to extinguish flames inside the device, eliminating the potential for ignition of flammable mixtures in the surrounding atmosphere. FM and CSA approved assemblies, dependant on connection head type, meet XP Class I, Division 1, Group A, B, C, and D; DIP Class II, Division I, Groups E, F, G and Class III, Division 1. The required thermowell is available in standard, heavy-duty, and flanged constructions. The assemblies feature 316 stainless steel sheaths and ungrounded isolated junctions. They are available with aluminum or stainless steel explosion-proof connection heads.



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 - Select Thermowell Part # from Thermowell Section **- SL - 8XU4 72, I** Select Type and Range from back of Section

1-0 Agency Approval

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

2-1 Thermocouple Types

CODE	CODE
SINGLE	DUPLEX
E	EE
J	JJ
K	KK
T	TT

2-2 Sheath Diameters 316 SS

CODE	DIAMETER (inches)
48	1/4

2-3 Measuring Junction

CODE	DESCRIPTION
U	Ungrounded

3-0 Thermowell

Select thermowell from Thermowell Section.

4-0 Element Options

SL ^[1]	Spring-loaded element
SC	Self-contained spring-loaded element

[1] Not available with option 75T-642B

5-0 Head Mounting Fittings

CODE	DESCRIPTION	CODE	DESCRIPTION
<i>STEEL FITTINGS</i>		<i>316SS FITTINGS</i>	
6HN	1/2" x 1/2" NPT hex nipple 1" length	8HN	1/2" x 1/2" NPT hex nipple 1" length
6PN ₋	1/2" NPT pipe nipple (specify "E" length in inches)	8PN	1/2" NPT pipe nipple (specify "E" length in inches)
6XU ₋ ^[1]	1/2" NPT union/nipple (specify "E" length in inches)	8XU ₋ ^[1]	1/2" NPT union/nipple (specify "E" length in inches)

[1] 3 1/2" minimum length required.
 Maximum allowable "E" length is 9"

5-1 Head Terminations

CODE	DESCRIPTION
71	Cast Iron/aluminum explosion-proof head Group C
72	DIN form B aluminum explosion-proof head Group B
74	DIN form B aluminum explosion-proof head Group A
75T-642B	(4 to 20) mA HART® Field Transmitter with aluminum explosion-proof housing, Group A
81	316L stainless steel explosion-proof head Group C
82	DIN form B 316 stainless steel explosion-proof head Group B

5-2 Options

SB	1/2" NPT conduit reducer bushing
I	Stainless steel tag
T-441 ^[1]	(4 to 20) mA isolated head-mounted transmitter
T-442 ^[1]	(4 to 20) mA Hart® isolated head-mounted transmitter

See transmitter ordering information in back of section.

[1] Not available with option 71 or 81

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