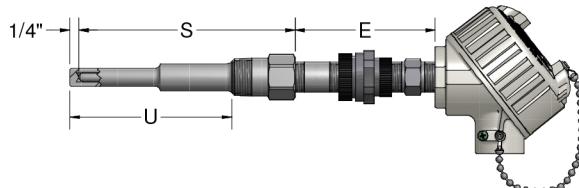


# HAZARDOUS LOCATION

Configuration Code XP04  
Hazardous Location Explosion-Proof-Certified,  
Thermocouple Assemblies with Thermowells

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 certified assemblies, dependent on connection head type, meet XP Class I Division I & II; Groups A, B, C, D; DIP Class II Division I; Groups E, F, G; Class III; Type 4/4X. 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.



**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** **94**, **I** 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 Thermowell

Select thermowell from Thermowell Section.

## 4-0 Element Options

SL <sup>[1]</sup>	Spring-loaded element
SC	Self-contained spring-loaded element

[1] Not available with option 75T, 76T, or 77T

## ORDER CODES

### 5-0 Head Mounting Fittings

CODE	DESCRIPTION	CODE	DESCRIPTION
<i>STEEL 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_ <sup>[1]</sup>	1/2" NPT union/nipple (specify "E" length in inches)	8XU_ <sup>[1]</sup>	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
74	DIN form B aluminum explosion-proof head
75T-642B	(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.