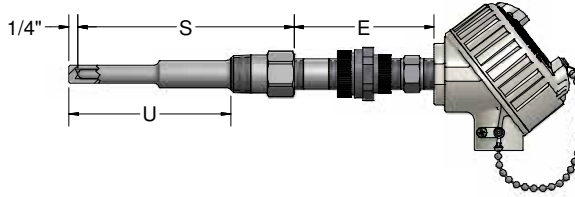


# HAZARDOUS LOCATION

## 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. 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; IP66. 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  
**HL09 - J 48 U -** Select Thermowell Part #  
from Thermowell Section **- SL - 8XU4 94, I**

#### 1-0 Agency Approval

CODE	DESCRIPTION
HL09	CSA US/CAN 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

#### 5-0 Head Mounting Fittings

CODE	DESCRIPTION
<b>316SS FITTINGS</b>	
8HN	1/2" x 1/2" NPT hex nipple 1" length
8PN_	1/2" NPT pipe nipple (specify "E" length in inches)
8XU_ <sup>[1]</sup>	1/2" NPT union/nipple (specify "E" length in inches)
NXU_ <sup>[1]</sup>	1/2" NPT plated steel union with 316SS fittings (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
75T142C	(4 to 20) mA HART® Field Transmitter with aluminum explosion-proof housing
76T71-D10	(4 to 20) mA isolated programmable transmitter with digital display and explosion-proof aluminum housing
76T72-D10	(4 to 20) mA isolated programmable HART® transmitter with digital display and explosion-proof aluminum housing
76T82-D10	(4 to 20) mA dual input HART® Field Transmitter with digital display and 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
T71-00	(4 to 20) mA isolated head-mounted transmitter
T72-00	(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.

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