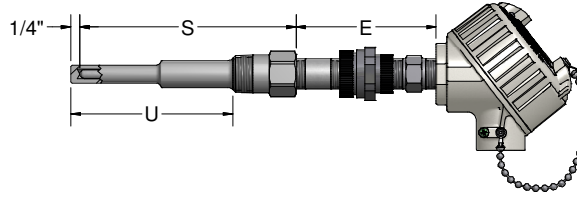


# HAZARDOUS LOCATION

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

Flame-Proof Thermocouple Assemblies with Thermowells are made for use in IEC hazardous areas. They are designed to extinguish flames inside the device, eliminating the potential for ignition of flammable mixtures in the surrounding atmosphere. ATEX and IECEx certified assemblies are rated for Ex db IIC Gb and Ex tb IIC Db locations for applications with process temperatures of 180 °C or less. 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 2-0 2-1 2-2 3-0 4-0 5-0 5-1 5-2  
**HL06 - J 48 U -** Select Thermowell Part #  
from Thermowell Section **- FP - 8XU4 94, I** Select Type and Range  
from back of Section

#### 1-0 Agency Approval

CODE	DESCRIPTION
HL06	ATEX/IECEx flame-proof-certified assembly

#### 2-0 Thermocouple Types

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

#### 2-1 Sheath Diameters 316 SS

CODE	DIAMETER (inches)
48	1/4

#### 2-2 Measuring Junction

CODE	DESCRIPTION
U	Ungrounded

#### 3-0 Thermowell

Select thermowell from Thermowell Section.

#### 4-0 Element Options

FP <sup>[1]</sup>	Spring-loaded element with flame path
FE	Fixed element
[1] Only available with 8HN and 8XU head mounting fittings	

#### 5-0 Head Mounting Fittings

CODE	DESCRIPTION	CODE	DESCRIPTION
<b>STEEL FITTINGS</b>		<b>316SS FITTINGS</b>	
6HN	1/2" x 1/2" NPT hex nipple	8HN	1/2" x 1/2" NPT hex nipple
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 "E" length is 9".			

#### 5-1 Head Terminations

CODE	DESCRIPTION
75T-642E	(4 to 20) mA HART® Field Transmitter with aluminum flame-proof housing
77T-662E	(4 to 20) mA HART® Field Transmitter with dual cavity aluminum flame-proof housing
93	Aluminum flame-proof head
94	316L stainless steel flame-proof head

#### 5-2 Options

SB	1/2" NPT conduit reducer bushing, Aluminum
I	Stainless steel tag
M2	M20x1.5 conduit reducer bushing, Nickel Plated Brass
M5	M25x1.5 conduit reducer bushing, Nickel Plated Brass
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.

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