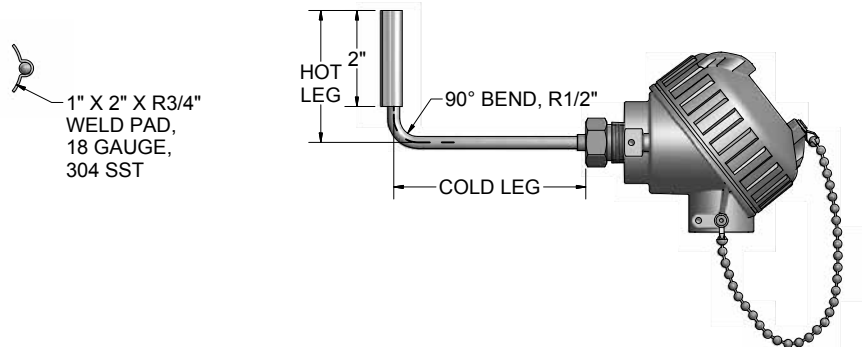


HAZARDOUS LOCATION

Configuration Code XP07 Hazardous Location Flame-Proof-Certified, Heat-Tracing Thermocouple Assemblies

Flame-Proof Heat-Tracing thermocouple assemblies 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. They are typically used in systems that measure the surface temperature of process pipe that is carrying products whose temperatures must be controlled to prevent freeze-up, or to maintain a viscosity level so that the inner medium will flow. ATEX and IECEx certified assemblies are rated for Ex db IIC Gb and Ex tb IIIC Db locations for applications with process temperatures of 180 °C or less. These thermocouples are offered in a variety of temperature ranges and are supplied with a 316SS sheath, and a 3/4" radius stainless steel mounting pad.



ORDER CODES

Example Order Number: 1-0 **HL06** - 2-0 **J** 2-1 **48** 2-2 **U** - **HT** - 3-0 **0304** - 4-0 **18RD** - 5-0 **93,** 5-1 **I**

1-0 Agency Approval

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

2-0 Thermocouple Types

CODE	SINGLE	DUPLEX
E	EE	
J	JJ	
K	KK	
T	TT	

2-1 316 SS Sheath Diameters and Insulation Type

CODE	DIAMETER (inches)	Insulation Type
48	1/4	MgO
68	3/8	MgO
P48	1/4	Fiberglass
P68	3/8	Fiberglass

2-2 Measuring Junction

CODE	DESCRIPTION
U	Ungrounded
ELEMENT OPTIONS	
M	Special Limits of Error

3-0 Sheath Lengths

CODE	HOT LEG (inches)	COLD LEG (inches)
0304	3	4
0306	3	6
0308	3	8

Consult factory for other hot leg lengths or cold leg lengths.

4-0 Radius Mounting Pads 1" W x 2" L x 18 Ga. 304 SS

CODE	RADIUS (inches)	NPT PIPE SIZE (inches)
18RD	3/4	1 1/2

Mounting pad is flexible enough to be formed around pipe sizes from 1" to 12" NPS pipe.

5-0 Standard Head Terminations

CODE	DESCRIPTION
75T142E	(4 to 20) mA HART® Field Transmitter with aluminum flame-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 flame-proof head
94	316L stainless steel flame-proof head

5-1 Standard Head Options

CODE	DESCRIPTION
I	Stainless Steel Tag
SB	1/2" NPT conduit reducer bushing
M2	M20x1.5 conduit reducer bushing, Nickel Plated Brass
M5	M25x1.5 conduit reducer bushing, Nickel Plated Brass
T71-00	4-20 mA isolated head-mounted transmitter
T72-00	4-20 mA HART® isolated head-mounted transmitter
T82-00	(4 to 20) mA dual input HART® head-mounted transmitter

See transmitter ordering information in back of section

