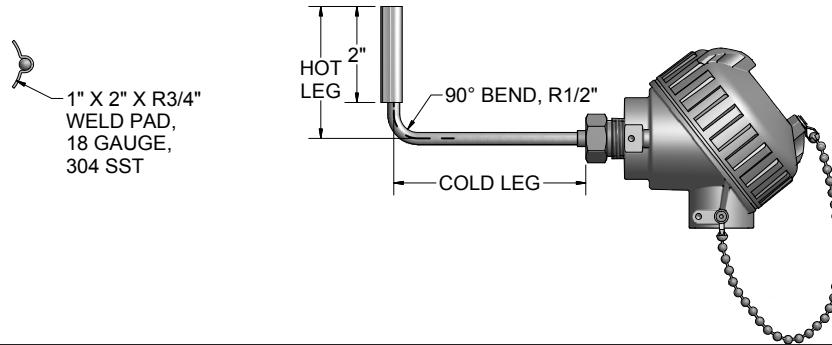


# HAZARDOUS LOCATION

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

Explosion-Proof rated Heat-Tracing Thermocouple assemblies are made for use 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. They are intended for use in U.S. and Canadian hazardous areas and 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, 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. 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:** **XP** - **J 48 U** - **HT** - **0304** - **18RD** - **94, I**

#### 1-0 Agency Approval

CODE	DESCRIPTION
XP	FM/CSA explosion-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
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

#### 5-1 Standard Head Options

CODE	DESCRIPTION
I	Stainless Steel Tag
SB	1/2" NPT conduit reducer bushing
T-441	4-20 mA isolated head-mounted transmitter (see instrument section)
T-442	4-20 mA HART® isolated head-mounted transmitter (see instrument section)
T82-00	(4 to 20) mA dual input HART® head-mounted transmitter

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