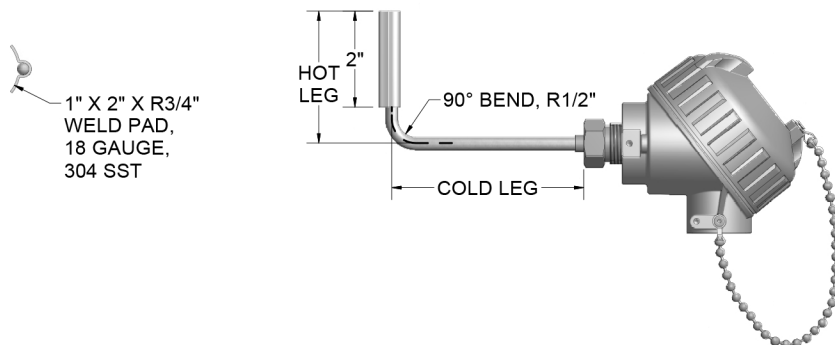


# HAZARDOUS LOCATION

## 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:**

1-0 2-0 2-1 2-2 3-0 4-0 5-0 5-1  
**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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