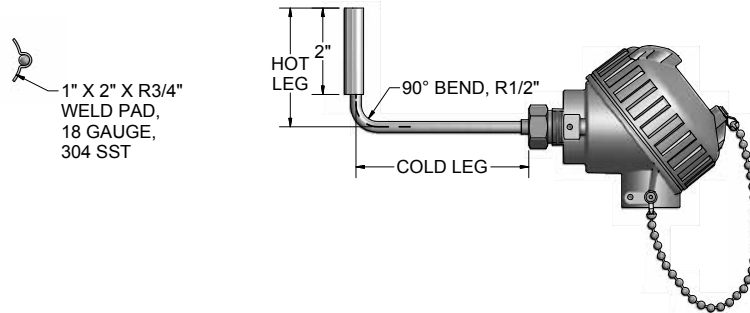


HAZARDOUS LOCATION

Configuration Code XP08 Hazardous Location Non-Incendive Certified, Heat-Tracing Thermocouple Assemblies

Hazardous location certified Heat-Tracing Thermocouple assemblies are designed 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. These products are CSA Certified for use in US and Canada hazardous locations designated: Class I, Division 2, Group A,B,C,D; Class II, Division 2, Group F,G; Class III; and USA: Class I, Zone 2, Group IIC; Zone 22, Group IIIB; Zone 22, Group IIIC; T6...T1: with nonincendive field wiring, Ingress Protection: IP66. The service temperature range for Certified Assemblies is limited to -25°C to 435°C and the T-code corresponds to the higher of ambient or process temperature. 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
HL05 - J 48 U - HT - 0304 - 18RD - 91,OR,GS I

1-0 Agency Approval

| CODE | DESCRIPTION |
|------|---|
| HL05 | CSA Non-Incendive Class I Division II Certified |

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 |
|----------|---|
| 31,OR,GS | Aluminum screw-cover head, Class I Div II; Type 4X/IP66 |
| 34,OR,GS | Cast Iron screw-cover head, Class I Div II; Type 4X/IP66 |
| 91,OR,GS | 316L Stainless Steel screw-cover head, Class I Div II; Type 4X/IP66 |

5-1 Standard Head Options

| CODE | DESCRIPTION |
|--------|--|
| I | Stainless Steel Tag |
| SB | 1/2" NPT conduit reducer bushing |
| T71 | 4-20 mA isolated head-mounted transmitter |
| T72 | 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

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