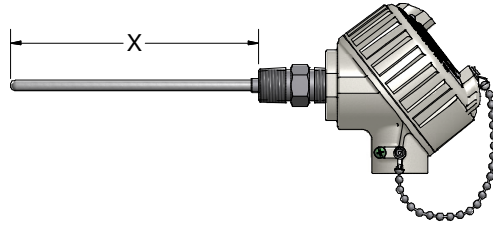


EXPLOSION-PROOF

Configuration Code XP02 Hazardous Location Explosion-Proof-Approved, Fixed-Element Thermocouple Assemblies

Explosion-Proof, Fixed-Element Thermocouples are made for use in U.S. and Canadian hazardous areas. They are designed to extinguish flames inside the device, eliminating the potential for ignition of flammable mixtures in the surrounding atmosphere. FM and CSA approved assemblies, dependent on connection head type, 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. They may be installed directly in the process without being inserted into a thermowell. The assemblies feature 316 stainless steel sheaths in various diameter sizes and ungrounded isolated junctions. They are available with or without process mountings and with aluminum or stainless steel explosion-proof connection heads.



ORDER CODES

**Example
Order Number:**

1-0 **XP** -
 2-0 **K**
2-1 **4**
2-2 **8**
2-3 **U** -
 3-0 **012** -
 4-0 **00** -
 5-0 **8HN**
5-1 **93,**
5-2 **T-**
Select Type and Range from back of Section

1-0 Agency Approval

| CODE | DESCRIPTION |
|------|--|
| XP | FM/CSA explosion-proof-approved assembly |

2-0 Thermocouple Types

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

2-1 Sheath Diameters

| CODE | DIAMETER (inches) |
|------|-------------------|
| 2 | 1/8 |
| 3 | 3/16 |
| 4 | 1/4 |
| 6 | 3/8 |

2-2 Sheath Materials

| CODE | MATERIAL | STANDARD AVAILABLE TYPES |
|------|-----------|--------------------------|
| 3 | Alloy 600 | K |
| 4 | 310 SS | K |
| 5 | 446 SS | K |
| 8 | 316 SS | E, J, K, T |

2-3 Measuring Junction

| CODE | DESCRIPTION |
|------|-------------|
| U | Ungrounded |

5-1 Head Terminations

| CODE | DESCRIPTION |
|-----------|--|
| 74 | DIN form B aluminum explosion-proof head, Group A |
| 75T-642B | (4 to 20) mA HART® Field Transmitter with aluminum explosion-proof housing, Group A |
| 76T82-D10 | (4 to 20) mA dual input HART® Field Transmitter with digital display and explosion-proof aluminum housing, Group A |
| 77T-662C | (4 to 20) mA HART® Field Transmitter with dual cavity explosion-proof aluminum housing, Group A |
| 93 | Aluminum explosion-proof head, Group A |
| 94 | 316L stainless steel explosion-proof head, Group A |

5-2 Options

| | |
|--------|--|
| SB | 1/2" NPT conduit reducer bushing |
| I | Stainless steel tag |
| 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.

5-0 Head Mounting Fittings

| CODE | DESCRIPTION |
|-------|---|
| 6HN | 1/2" x 1/2" NPT steel hex nipple |
| 8HN | 1/2" x 1/2" NPT stainless steel hex nipple |
| 9HP | 1/2" NPT stainless steel bushing (no process threads) |
| 8RNDC | 3/4" x 1/2" NPT stainless steel hex nipple |

4-0 Sheath Mounting Fittings

| CODE | DESCRIPTION |
|------|-------------|
| 00 | No Fitting |

3-0 "X" Dimensions

Insert three digit sheath length ("X" Dimension) in inches.

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