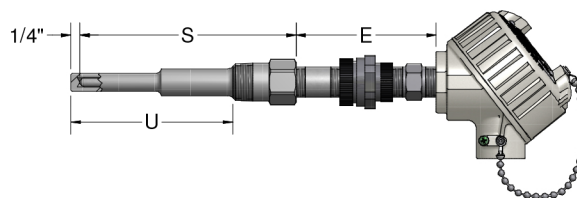


HAZARDOUS LOCATION

Configuration Code XP04
Hazardous Location Explosion-Proof-Certified,
Thermocouple Assemblies with Thermowells

Explosion-Proof Thermocouple Assemblies with Thermowells 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 certified 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. The required thermowell is available in standard, heavy-duty, and flanged constructions. The assemblies feature 316 stainless steel sheaths and ungrounded isolated junctions. They are available with aluminum or stainless steel explosion-proof connection heads.



ORDER CODES

**Example
Order Number:**

1-0 2-1 2-2 2-3 3-0 4-0 5-0 5-1 5-2
XP - J 48 U - Select Thermowell Part #
from Thermowell Section **- SL - 8XU4 94, I** Select Type and Range
from back of Section

1-0 Agency Approval

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

2-1 Thermocouple Types

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

2-2 Sheath Diameters 316 SS

| CODE | DIAMETER (inches) |
|------|-------------------|
| 48 | 1/4 |

2-3 Measuring Junction

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

3-0 Thermowell

Select thermowell from Thermowell Section.

4-0 Element Options

| | |
|-------------------|--------------------------------------|
| SL ^[1] | Spring-loaded element |
| SC | Self-contained spring-loaded element |

[1] Not available with option 75T, 76T, or 77T

5-0 Head Mounting Fittings

| CODE | DESCRIPTION | CODE | DESCRIPTION |
|--------------------|--|--------------------|--|
| STEEL FITTINGS | | 316SS FITTINGS | |
| 6HN | 1/2" x 1/2" NPT hex nipple 1" length | 8HN | 1/2" x 1/2" NPT hex nipple 1" length |
| 6PN | 1/2" NPT pipe nipple (specify "E" length in inches) | 8PN | 1/2" NPT pipe nipple (specify "E" length in inches) |
| 6XU ^[1] | 1/2" NPT union/nipple (specify "E" length in inches) | 8XU ^[1] | 1/2" NPT union/nipple (specify "E" length in inches) |

[1] 3 1/2" minimum length required
Maximum allowable "E" length is 9"

5-1 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 |

5-2 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.

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