Hazardous Location

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.

**Configuration Code XP04**

**Hazardous Location Explosion-Proof-Certified, Thermocouple Assemblies with Thermowells**

**Example Order Number:**

- **1-0** Agency Approval
  - **CODE** XP
  - **DESCRIPTION** FM/CSA explosion-proof-certified assembly

- **2-1** Thermocouple Types
  - **CODE** SINGLE
  - **DESCRIPTION** E
  - **CODE** DUPLEX
  - **DESCRIPTION** J
  - **CODE** TRIPLEX
  - **DESCRIPTION** K
  - **CODE** T
  - **DESCRIPTION** T

- **2-2** Sheath Diameters 316 SS
  - **CODE** 48
  - **DIAMETER (inches)** 1/4

- **2-3** Measuring Junction
  - **CODE** U
  - **DESCRIPTION** 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** STEEL FITTINGS
  - **DESCRIPTION** 316SS FITTINGS
- **CODE** 6HN
  - **DESCRIPTION** 1/2" x 1/2" NPT hex nipple 1" length
- **CODE** 6PN
  - **DESCRIPTION** 1/2" NPT pipe nipple
- **CODE** 6XU
  - **DESCRIPTION** 1/2" NPT union/nipple

- **CODE** 8HN
  - **DESCRIPTION** 1/2" x 1/2" NPT hex nipple 1" length
- **CODE** 8PN
  - **DESCRIPTION** 1/2" NPT pipe nipple
- **CODE** 8XU
  - **DESCRIPTION** 1/2" NPT union/nipple

**[1]** 3 1/2" minimum length required

Maximum allowable "E" length is 9"

**5-1** Head Terminations

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

HART® is a registered trademark of the HART Communication Foundation.

Pyromation

Phone (260) 484-2580 • FAX (260) 482-6805 or (800) 837-6805 • www.pyromation.com