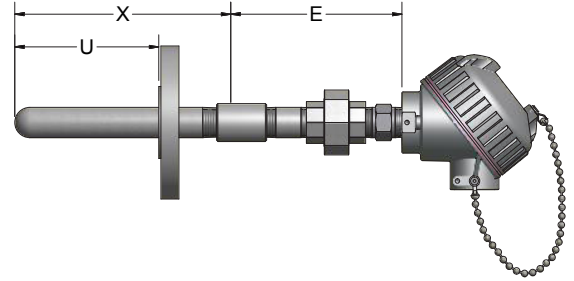
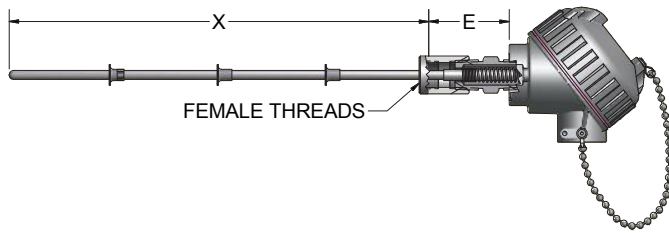


SENSORS WITH CONNECTION HEADS

Configuration Code GP10 MgO Thermocouple Pipe Wells with Self-Contained, Spring-Loaded Elements and Optional Transmitters



Example Order Number:

1-0 1-1 1-2 1-3 1-4 2-0 3-0 4-0 5-0 6-0 7-0 7-1
K 4 8 U M8VS - 8-75 - 36 - 815R130 - PC - 8PU4 31, I

1-0 Thermocouple Type

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

1-3 Junction Style

| CODE | DESCRIPTION |
|------|---------------------|
| G | Grounded junction |
| U | Ungrounded junction |

1-4 Element Options

| CODE | DESCRIPTION |
|------|---|
| M | Special limits of error |
| 8VS | 316 Stainless steel vibration spacers (see table on GP11) |

2-0 Pipe Material and Size

| CODE | MATERIAL | MAX TEMP | CODE (INCHES) | |
|-------------------|---------------------|-------------------|---------------|--------------|
| | | | 1/2 INCH NPT | 3/4 INCH NPT |
| 6 | Carbon steel | 538 °C [1000 °F] | 50 | 75 |
| 8 | 316 Stainless steel | 927 °C [1700 °F] | 50 | 75 |
| 5 | 446 Stainless steel | 1093 °C [2000 °F] | 50 | 75 |
| 3 | Alloy 600 | 1149 °C [2100 °F] | 50 | 75 |
| 7 | Alloy 601 | 1260 °C [2300 °F] | 50 | 75 |
| 41 | HR 160 | 1204 °C [2200 °F] | 50 | 75 |
| 00 ^[1] | No protection tube | N/A | 50 | 75 |

[1] Supplied with a female process connection.

3-0 Protection Tube

"X" LENGTH

Specify length in one inch increments. 4 inch minimum to 240 inch maximum.

4-0 Optional Welded Fittings

| CODE | | DESCRIPTION |
|----------|----------|---|
| STEEL | 316 SS | |
| 6D(U) | 8D(U) | 3/4 inch NPT welded bushing (50 tubes only) |
| 6E(U) | 8E(U) | 1 inch NPT welded bushing |
| 6F(U) | 8F(U) | 1 (1/4) inch NPT welded bushing |
| 6G(U) | 8G(U) | 1 (1/2) inch NPT welded bushing |
| 6H(U) | 8H(U) | 2 inch NPT welded bushing |
| 610R1(U) | 810R1(U) | 1 inch 150# class raised-face flange |
| 615R1(U) | 815R1(U) | 1 (1/2) inch 150# class raised-face flange |
| 620R1(U) | 820R1(U) | 2 inch 150# class raised-face flange |

Other sizes and materials available - consult factory

1-1 Sheath Diameter

| CODE | DESCRIPTION |
|------|-------------|
| 4 | 1/4 inch |

1-2 Sheath Material

| CODE | DESCRIPTION |
|------|---------------------|
| 8 | 316 Stainless Steel |
| 3 | Alloy 600 |

7-0 Head Terminations and Options

| CODE | DESCRIPTION |
|-----------|--|
| 22 | 3 inch individual leads with terminal pins |
| 31 | Aluminum screw-cover head |
| 34 | Cast iron screw-cover head |
| 91 | 316 L Stainless steel screw-cover head |
| 49 | Aluminum flip-top head |
| 93 | Aluminum explosion-proof/flame-proof head, NEC, IEC, Atex approved |
| 94 | 316L stainless steel explosion-proof/flame-proof head, NEC, IEC, Atex approved |
| 35T-642A | (4 to 20) mA Isolated HART® field transmitter with general-purpose aluminum housing |
| 36T82-D10 | (4 to 20) mA dual input HART® transmitter with digital display and general-purpose aluminum housing with glass lid |
| 37T-662A | (4 to 20) mA HART® dual cavity field temperature transmitter with general-purpose aluminum housing |
| 75T-642C | (4 to 20) mA Isolated HART® field transmitter with explosion-proof aluminum housing, Group A |
| 76T82-D10 | (4 to 20) mA dual input HART® Field Transmitter with digital display and explosion-proof housing, Group A |
| 77T-662C | (4 to 20) mA HART® Field Transmitter with dual cavity explosion-proof aluminum housing, Group A |

7-1 OPTIONS AND TRANSMITTERS

| | |
|----------------------|--|
| SB | 1/2 inch NPT conduit reducer bushing |
| I | Stainless steel tag |
| GS | Ground screw |
| H | Adjustable steel mounting flange |
| T-441 ^[1] | (4 to 20) mA Isolated head-mounted transmitter |
| T-442 ^[1] | (4 to 20) mA Isolated HART® head-mounted transmitter |
| T82-00 | (4 to 20) mA dual input HART® head-mounted transmitter |

[1] Not available with option 71 or 81
See Transmitter section for transmitter ordering information

6-0 Head Mounting Fittings

| CODE | | DESCRIPTION |
|-------|--------|--|
| STEEL | 316 SS | |
| 6HN | 8HN | 1/2 inch X 1/2 inch NPT hex nipple 2 Inch "E" length |
| 6PU_ | 8PU_ | 1/2 inch NPT union/hex nipple (specify "E" length) |
| 6XU_ | 8XU_ | 1/2 inch NPT explosion-proof union/hex nipple (specify "E" length) |

5-0 Element Options

| CODE | DESCRIPTION |
|------|--------------------------------------|
| PC | Self-contained spring-loaded element |

