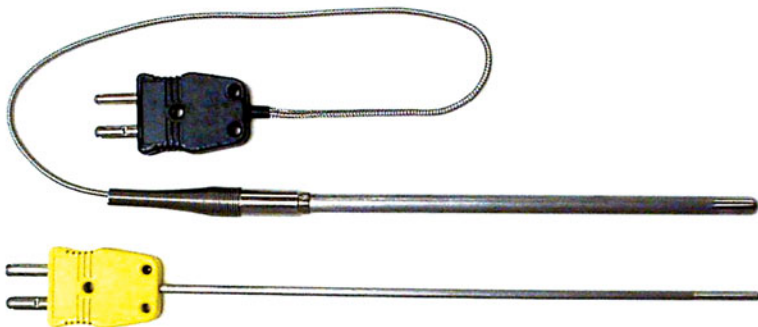


Pyromation Insulated Thermocouples

The thermocouple element is encased in a metal sheath that can be formed and bent.

Extension leadwire of the same thermocouple material connects to remote panel meters or transmitters. Sheath fittings can be specified to mount the probe in thermowells with NPT threads.

Standard or Miniature Thermocouple Plugs are available to simplify field installation. These can be ordered with or without extension leadwire.



SPECIFICATIONS

| Thermocouples and Thermocouple Wire | | Reference Junction 0°C (32°F) | |
|-------------------------------------|-------------------------------|-------------------------------|---------------|
| T/C Type | Temperature Range | Limits of Error | |
| | | Standard | Special |
| J | 0 to 293°C (32 to 559°F) | ± 2.2°C (4°F) | ± 1.1°C (2°F) |
| | 293 to 750°C (559 to 1382°F) | ± 0.75% | ± 0.4% |
| K | 0 to 293°C (32 to 559°F) | ± 2.2°C (4°F) | ± 1.1°C (2°F) |
| | 293 to 1250°C (559 to 2282°F) | ± 0.75% | ± 0.4% |
| E | 0 to 340°C (32 to 644°F) | ± 1.7°C (3°F) | ± 1°C (2°F) |
| | 340 to 900°C (644 to 1652°F) | ± 0.5% | ± 0.4% |
| T | 0 to 133°C (32 to 270°F) | ± 1°C (2°F) | ± 0.5°C (1°F) |
| | 133 to 350°C (270 to 662°F) | ± 0.75% | ± 0.4% |
| N | 0 to 293°C (32 to 559°F) | ± 2.2°C (4°F) | ± 1.1°C (2°F) |
| | 0 to 1250°C (559 to 2282°F) | ± 0.75% | ± 0.4% |

| Thermocouple Extension Wire | | Reference Junction 0°C (32°F) | |
|-----------------------------|--------------------------|-------------------------------|---------------|
| Ext. Wire Type | Temperature Range | Limits of Error | |
| | | Standard | Special |
| KX | 0 to 200°C (32 to 392°F) | ± 2.2°C (4°F) | — |
| JX | 0 to 200°C (32 to 392°F) | ± 2.2°C (4°F) | ± 1.1°C (2°F) |
| EX | 0 to 200°C (32 to 392°F) | ± 1.7°C (3°F) | — |
| TX | 0 to 100°C (32 to 212°F) | ± 1.0°C (2°F) | ± 0.5°C (1°F) |
| NX | 0 to 200°C (32 to 392°F) | ± 2.2°C (4°F) | — |

* For sheathed thermocouples without leadwire or plug, part number ends with

| H | Sheath Terminations | |
|---------|-----------------------|--------------------|
| | 10(1) | Sheath stripped 1" |
| | 10(2) | Sheath stripped 2" |
| | 10(3) | Sheath stripped 3" |
| Example | PM/J43GM-012-00-10(1) | |

ORDERING INFORMATION

To Order: Insert Code for Each Letter to Select Catalog Number
Order Example PM/J43GM-012-10B-15-F3-036-2

ABCDE-F-G-H-I-J-K

| A | Thermocouple Type |
|------|--|
| PM/J | Type J |
| PM/K | Type K |
| PM/E | Type E |
| PM/T | Type T |
| PM/N | Type N |
| B | Sheath Diameters |
| 1 | 1/16" (0.063) |
| 2 | 1/8" (0.125) |
| 3 | 3/16" (0.188) |
| 4 | 1/4" (0.250) |
| 6 | 3/8" (0.375) |
| C | Sheath Material |
| 8 | 316 stainless steel (type J, K, E, T) |
| 3 | Inconel 600 (type J, K, E, T) |
| 9 | 304 stainless steel (type J, K, N) |
| D | Junction Type |
| G | Grounded |
| U | Ungrounded |
| E | Limits of Error |
| - | Standard |
| M | Special |
| F | Sheath Length |
| nnn | Three digit sheath length in inches |
| G | Re-Adjustable Compression Fitting |
| 00 | None |
| 10B | 1/4" NPT SS for 1/4", 3/8" sheath OD |
| 10C | 1/2" NPT SS for 3/16", 1/4" |
| 11B | 1/4" NPT Brass for 1/8", 3/16", 1/4", 3/8" |
| 11C | 1/2" NPT Brass for 1/4", 3/8" |
| H | Leadwire Transition* |
| 15 | Relief spring (400°F rating) |
| 13 | Same size transition |
| 00 | None |
| I | Extension Leadwire |
| F3 | Fiberglass (stranded) |
| F3B | Fiberglass with stainless steel overbraid (stranded) |
| T3 | Teflon (stranded) |
| T3B | Teflon with stainless steel overbraid (stranded) |
| 00 | None |
| J | Leadwire Length |
| nnn | Lead length in inches using 3 digits |
| K | Wire Terminations |
| 2 | 2" split leads |
| 3 | 2" split leads w/ spade lugs |
| 4 | Standard male plug |
| 6 | Miniature male plug |
| 4MC | Standard male plug with mating connector |
| 6MC | Miniature male plug with mating connector |

Other types and configurations available on request