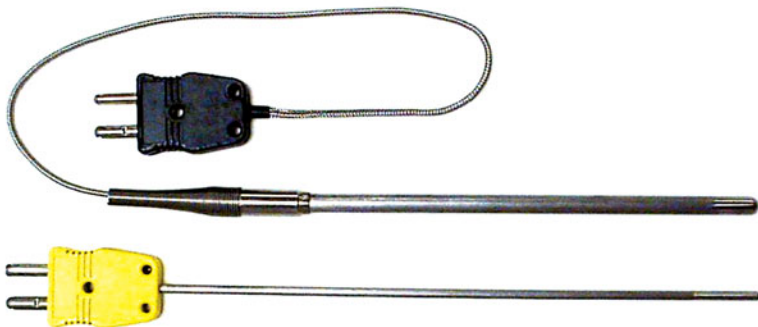


Pyromation Insulated Thermocouples

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