

Temperature Sensing

MI Cable Thermocouple Assemblies

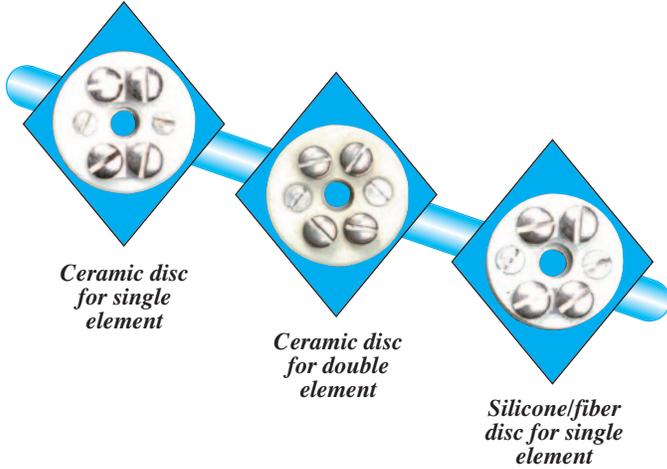


Style MTA3 — Open Disc Termination



Design Features

- * Economical termination with nickel plated brass inserts.
- * Available in sheath diameters ranging from 0.063" to 0.250", single and duplex construction.



Optional Installation
Compression Fitting
See Box 10

Ordering Information

Thermocouples are offered with the options listed in the worksheet below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

Ordering Code: **MTA3** -

Calibration Code BOX 1

ANSI Standard **J K E T N R S B**
Tolerances
Special Tolerances **3 4 5 6 7**

Sheath Length "L" BOX 6

Whole inches
01 to 99
For lengths over 99 in. consult TEMPACO.

Sheath Length "L" BOX 7

Fractional inches
0 = 0" **3** = 3/8" **6** = 3/4"
1 = 1/8" **4** = 1/2" **7** = 7/8"
2 = 1/4" **5** = 5/8"

Number of Conductors BOX 2

2 = Single (Standard)
4 = Duplex

Junction BOX 8

	Grounded	Ungrounded	Exposed
Single	G	U	E
Dual, common	4	5	6
Dual, isolated	-	7	8

Insulation BOX 3

M = 96% min. MgO (Standard)
H = 99.4% min. MgO

Termination BOX 9

1* = Silicone/glass cloth to 350°F (177°C) 1" O.D. with Brass mounting plate
2 = Ceramic to 1000°F (538°C) 1-1/8" O.D. Single and Dual element with SS mounting plate
* Single element only

Sheath Material BOX 4

A = Alloy 600
B = 304 SS
C = 316 SS

Optional Compression Fitting BOX 10

1 = 1/8" NPT SS **4** = 1/8" NPT Brass
2 = 1/4" NPT SS **5** = 1/4" NPT Brass
3 = 1/2" NPT SS **6** = 1/2" NPT Brass
0 = None Required

Sheath O.D. BOX 5

D = .063" ±.001 **G** = .188" ±.002 **Q** = 3.0 mm ±.03
E = .092" ±.001 **H** = .250" +.003/- .002 **R** = 4.5 mm ±.05
F = .125" ±.002 **P** = 2.0 mm ±.03 **S** = 6.0 mm +.07/- .05

Special Requirements BOX 11

X = Specify
0 = None

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.