# MAGNESIUM OXIDE (MgO) INSULATED T/C ASSEMBLY

## STYLE TR TRANSITION TO LEAD WIRE


- Made with special limits-of-error material for better accuracy
- Standard insulation provided with 304 and 316 SS sheaths, high purity insulation provided with Inconel 600 sheath
- Maximum continuous operating temperature for the standard transition is 350°F (177°C). A high temperature transition 900°F (482°C) maximum can be provided by ordering Special Requirement Option H in Box 11
- Standard lead wire termination is 3/4" stripped leads
- .063" to .125" O.D. thermocouples use 24 gauge lead wire and .188" to .375" O.D. thermocouples use 20 gauge lead wire

## ORDERING INFORMATION

| T | R | 1 | 2 | – | 3 | 4 | 4 | 4 | – | 5 | 6 | 6 | 6 | – | 7 | 8 | 9 | – | 10 | 10 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

*To create an ordering code fill in the boxes above with the appropriate number and/or letter from the corresponding box below.*

### Box 1: Calibration Code
J = J Type, ANSI Special Tolerances
K = K Type, ANSI Special Tolerances
T = T Type, ANSI Special Tolerances
N = N Type, ANSI Special Tolerances
E = E Type, ANSI Special Tolerances

### Box 2: Number of Junctions
1 = Single (Standard)
2 = Duplex (Not available in 1/16" sheath)

### Box 3: Junction*
G = Grounded
U = Ungrounded
E = Exposed
** Dual ungrounded and exposed junctions are isolated*

### Box 4: Sheath O.D. *enter 3 digit code*
063 = 1/16"
125 = 1/8"
188 = 3/16"
250 = 1/4"
375 = 3/8"

### Box 5: Sheath Material
A = 304 SS
B = 316 SS
C = Inconel 600

### Box 6: Sheath Length "A"
*fill in measurement desired*
Whole inches: 001" to 999"
*(Lengths over 999" consult TTI)*

### Box 7: Lead Wire Construction
A = Solid
B = Stranded

### Box 8: Lead Wire Insulation
G = Fiberglass (900°F/482°C)
T = Teflon (400°F/204°C)
K = Kapton (500°F/260°C)
P = PVC (221°F/105°C)

### Box 9: Lead Wire Protection
N = None
B = SS Overbraid
A = SS Flex Armor

### Box 10: Lead Wire Length "B"
*fill in measurement desired*
Whole inches: 001" to 999"*(Lengths over 999" consult TTI)*

### Box 11: Termination
A = 3/4" Stripped Leads
B = Spade Lugs
C = Spade Lugs with BX Connector
D = Standard Male Plug (350°F/177°C)
E = Medium-Temp. Male Plug (500°F/260°C)
F = High-Temp. Male Plug (800°F/426°C)
G = Standard Female Jack (350°F/177°C)
H = Medium-Temp. Female Jack (500°F/260°C)
J = High-Temp. Female Jack (800°F/426°C)
K = Miniature Male Plug (350°F/177°C)
L = Miniature Med-Temp. Male Plug (500°F/260°C)
M = Miniature Female Jack (350°F/177°C)
N = Miniature Med-Temp. Female Jack (500°F/260°C)

### Box 12: Maximum Transition Temperature
S = 350°F (177°C)
H = 900°F (482°C)