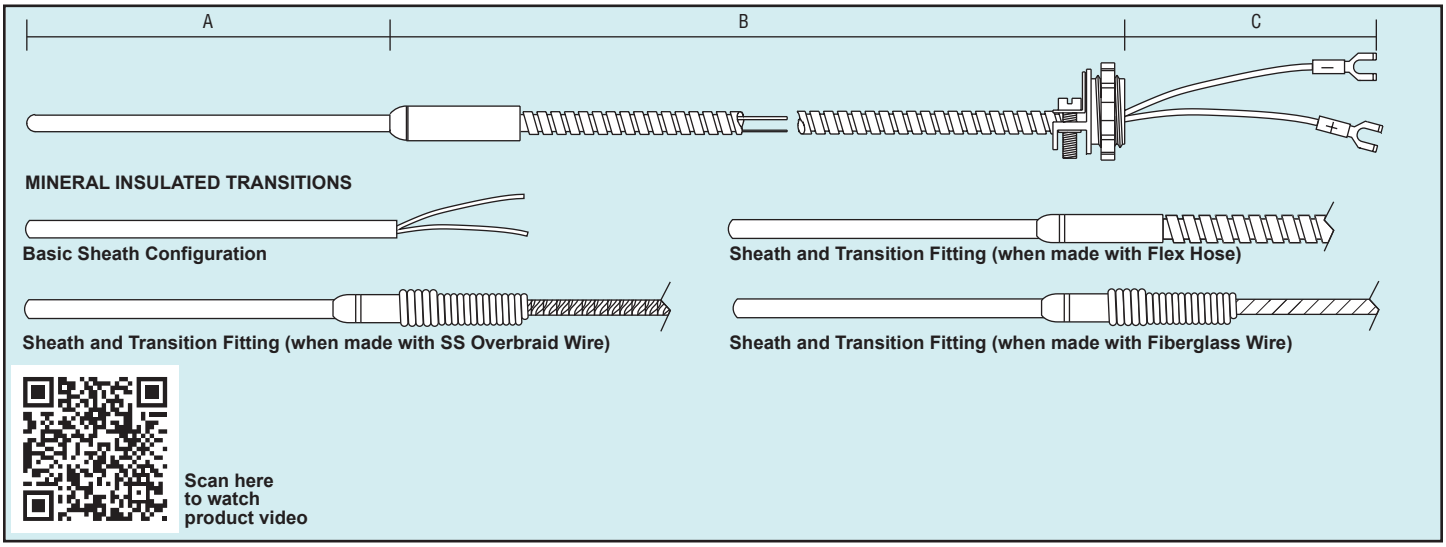
Series R & 8

Mineral Insulated Thermocouples and RTD's

Mineral Insulated Thermocouples and RTDs are known for their excellent mechanical durability and resistance to electrical breakdown. Mineral Insulated Thermocouples can be bent to most any angle without special equipment

Due to the varying size of connection wire and cable, a transition fitting is used between the cold end of the sheath and the connecting wires. This fitting measures 1-1/4˝ long by 1/4˝ OD for 1/8˝ or smaller sheaths, and 1-1/2˝ long by 3/8˝ OD for 3/16˝ and 1/4˝ sheaths. Larger sheaths and sheaths terminating in connectors other than wire or cable do not require transition fittings.



MINERAL INSULATED TRANSITIONS

Basic Sheath Configuration

Sheath and Transition Fitting (when made with Flex Hose)

Sheath and Transition Fitting (when made with SS Overbraid Wire)

Sheath and Transition Fitting (when made with Fiberglass Wire)

Scan here to watch product video

Model Coding

Fill in the appropriate numbers or letters to specify the probe of your choice. Fill in all boxes. If an item or dimension does not apply, fill those boxes with zeros '0'.

SENSOR TYPE
6 – 100Ω RTD: 0.00385Ω/°C
Z – 1000Ω RTD: 0.00385Ω/°C
4 – 100Ω RTD: 0.00392Ω/°C

RTD TYPE
2 – 2-Wire; Class B
3 – 3-Wire; Class B
4 – 4-Wire; Class B
5 – 2-Wire; Class A
6 – 3-Wire; Class A
7 – 4-Wire; Class A

A IN 1/10 INCH — **AA** IN 1/10 INCH — **B** IN INCHES — **C** IN INCHES

R ☐☐☐☐ – ☐☐☐☐ – ☐☐☐ – ☐☐☐ – ☐☐☐ – ☐☐

8 ☐☐☐☐ – ☐☐☐☐ – ☐☐☐ – ☐☐☐ – ☐☐☐ – ☐☐

SENSOR TYPE
J – T/C
K – T/C
E – T/C
T – T/C

HARDWARE TYPE
1 – Plain Sheath (304SS)
2 – Plain Sheath (316SS)
3 – Inconel® 600 Sheath

EXTENSION TYPE
1 – Fiberglass Insulation
2 – Fiberglass Insulation w/ SS Flex Hose
3 – Fiberglass Insulation w/ SS Overbraid

SENSOR TERMINALS
0 – Stripped Ends
1 – Leads With #6 Spade Lugs
2 – Leads With #6 Spade Lugs & 1/2 BX
3 – Standard Plug
4 – Standard Jack
6 – Mini Plug
7 – Mini Jack
8 – Leads With 1/4˝ Fastabs
9 – Leads With 1/4˝ Fastabs 1/2˝ BX
A – 1/2˝ NPT Hex Nipple (316SS)
B – 3/4˝ NPT Hex Nipple (316SS)
C – 1/2˝ NPT Hex Bushing (316SS)
D – 3/4 NPT Hex Bushing (316SS)
See table for **HEAD ASSEMBLY OPTIONS**

ELEMENTS
1 – Single
2 – Dual

JUNCTION TYPE
1 – Grounded
2 – Ungrounded
3 – Exposed Tip

SENSOR O.D.
1 – 1/16˝
2 – 1/8˝
3 – 3/16˝
4 – 1/4˝
5 – 3/8˝

BEND
1 – None
2 – 45°
3 – 90°

HEAD ASSEMBLY OPTIONS (3/4˝ NPT Conduit Connection)
E – Screw Cover Head, AL w/ No Process Connection
F – Screw Cover Head, Plastic w/ No Process Connection
G – Screw Cover Head, SS w/ No Process Connection
H – Snap Cover Head, AL w/ No Process Connection
I – Screw Cover Head, AL w/ 1/2˝ NPT Process Connection
J – Screw Cover Head, Plastic w/ 1/2˝ NPT Process Connection
K – Screw Cover Head, SS w/ 1/2˝ NPT Process Connection
L – Snap Cover Head, AL w/ 1/2˝ NPT Process Connection
M – Screw Cover Head, AL w/ 3/4˝ NPT Process Connection
N – Screw Cover Head, Plastic w/ 3/4˝ Process Connection
P – Screw Cover Head, SS w/ 3/4˝ Process Connection
Q – Snap Cover Head, AL w/ 3/4˝ Process Connection

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