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.

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'.

<table>
<thead>
<tr>
<th>SENSOR TYPE</th>
<th>HARDWARE TYPE</th>
<th>EXTENSION TYPE</th>
<th>SENSOR TERMINALS</th>
<th>ELEMENTS TYPE</th>
<th>JUNCTION TYPE</th>
<th>SENSOR BEND</th>
</tr>
</thead>
<tbody>
<tr>
<td>J – T/C</td>
<td>1 – Plain Sheath (304SS)</td>
<td>1 – Fiberglass Insulation</td>
<td>0 – Stripped Ends</td>
<td>1 – Single</td>
<td>1 – Grounded</td>
<td>1 – None</td>
</tr>
<tr>
<td>K – T/C</td>
<td>2 – Plain Sheath (316SS)</td>
<td>2 – Fiberglass Insulation w/ SS Flex Hose</td>
<td>1 – Leads With #6 Spade Lugs</td>
<td>2 – Dual</td>
<td>2 – Ungrounded</td>
<td>2 – 45°</td>
</tr>
<tr>
<td>E – T/C</td>
<td>3 – Inconel® 600 Sheath</td>
<td>3 – Fiberglass Insulation w/ SS Overbraid</td>
<td>2 – Leads With #6 Spade Lugs &amp; 1/2 BX</td>
<td>3 – Exposed Tip</td>
<td>3 – 1/8˝</td>
<td>3 – 90°</td>
</tr>
</tbody>
</table>

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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