# How to Specify PMI Custom Platinum Resistance Temperature Sensors

<table>
<thead>
<tr>
<th>Sheath Diameter</th>
<th>Type of Assembly</th>
<th>Imersion Length</th>
<th>Fitting if Required</th>
<th>NPT Code for Fitting</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 .125&quot;</td>
<td>General purpose stem sensitive</td>
<td>Specify in inches</td>
<td>1 Hex nipple</td>
<td>A 1/8&quot;</td>
</tr>
<tr>
<td>6 .188&quot;</td>
<td>Spring loaded for standard head</td>
<td>minimum length is 1 inch</td>
<td>2 Hex bushing</td>
<td>B 1/4&quot;</td>
</tr>
<tr>
<td>7 .250&quot;</td>
<td>Spring loaded for explosion proof head</td>
<td>maximum length is 1 inch</td>
<td>3 Hex bushing (Process connection)</td>
<td>C 1/2&quot;</td>
</tr>
<tr>
<td>8 .313&quot;</td>
<td>Special as specified</td>
<td></td>
<td>4 Adjustable stainless</td>
<td>D 3/4&quot;</td>
</tr>
<tr>
<td>9 .375&quot;</td>
<td>Add prefix D if dual element required</td>
<td></td>
<td>5 Hex nipple oil seal</td>
<td>E 1/4&quot; x 1/2&quot;</td>
</tr>
<tr>
<td></td>
<td>316SS standard sheath material</td>
<td></td>
<td>6 Hex nipple spring loaded</td>
<td>F 3/4&quot; x 1/2&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7 Bayonet spring loaded</td>
<td>G 1&quot; x 1/2&quot;</td>
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**D7-D-G-S-12.75-D-1C-B**

**Temperature Coefficient**
- D - 385 Platinum 100 ohms at 0°C (DIN43760)
- A - 3916 Platinum 100 ohms at 0°C (JISC1604)
- N - Nickel - 120 ohms at 0°C
- C - Copper - 10 ohms at 25°C
- X - Other as specified

**Temperature Range of Assembly**
- S = -350 to 500°F
- H = -320 to 800°F
- M = -320 to 1000°F
- S - Supplied with teflon leads
- H - Supplied with fiberglass leads
- M - MGO construction for high temperature and vibration prone areas

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**Number of Leads**
- A 2-short runs
- B 3-minimum recommended
- C 4-high accuracy
- D 6-dual 3 wire
- E 8-dual 4 wire

**Cold End Termination**
- A None required
- B Standard cast iron head
- C Standard cast aluminum head
- D Explosion proof head
- E Miniature polypropylene
- F Assembly with flexible armor leads
- G Assembly with SS overbraid leads
- H 3 pin plug
- X Special as specified

**Choose sheath diameter & number of elements in tube**

Specify sensor coefficient
Choose type of assembly
Select temperature range
Specify immersion in inches
Lead wire configuration
Fitting if required
Cold end termination

**D7-D-G-S-12.75-D-1C-B**

1/4" dual .00385 Gen-purpose -320 to 500°F 12½" Dual 3 wire Hex nipple 1/2" NPT Cast iron Head