

HOW TO SPECIFY PMI CUSTOM PLATINUM RESISTANCE TEMPERATURE SENSORS

Sheath Diameter

5 .125"
 6 .188"
 7 .250"
 8 .313"
 9 .375"
 Add prefix D if dual element required
 316SS standard sheath material

Type of Assembly

G General purpose stem sensitive *minimum* length is ~~maximum~~ 1 inch
 S Spring loaded for standard head
 E Spring loaded for explosion proof head
 X Special as specified

Immersion Length

Specify in inches
 1 inch

Fitting if Required

1 Hex nipple
 2 Hex bushing (Process connection)
 3 Hex bushing (Head connection)
 4 Adjustable stainless
 5 Hex nipple oil seal
 6 Hex nipple spring loaded
 7 Bayonet spring loaded

NPT Code for Fitting

Must be prefixed by fitting code
 A 1/8"
 B 1/4"
 C 1/2"
 D 3/4"
 E 1/4" x 1/2"
 F 3/4" x 1/2"
 G 1" x 1/2"

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
 Standard accuracy of 1/4% of temperature
 Improved accuracy available upon request

Temperature Range of Assembly

S = -350 + 500 °F
 H = -320 + 800 °F
 M = -320 + 1000 °F
 S Supplied with teflon leads
 H Supplied with fiberglass leads
 M MGO construction for high temperature and vibration prone areas

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
 Note: Standard lead length 6"
 For longer leads specify length required

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 overbraided 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 + 500°F

12 3/4"

Dual 3 wire

Hex nipple 1/2" NPT

Cast iron Head