

NPT Series

NPT2 Air and Gas

Temperature Sensor



The NPT2 Series of High Performance Temperature Sensors are designed to measure the temperatures of all types of air and gas in demanding motorsport and automotive applications.

The sensing element can be either a PT1000 or a NTC Thermistor; calibration of each is well defined and can be installed into most common ECUs and data logging systems.

Construction is either brass or stainless steel, both with a heat insulating PEEK ISOTIP which insulates the sensing element from surrounding heat soak. Supplied with standard motorsports cable and sleeve this will protect from the harsh environments around the vehicle.

The NPT2 Series are race proven in many formulae around the world and offer a reliable and robust solution for professional engineers.

Technical Specifications

Ranges (FS)	-30°C to +150°C
Accuracy	<±1°C
Response Time	<5 Seconds
Seal	Viton O-Ring
Sensor Type	NTC 3KΩ or PT1000
Construction	Brass or Stainless Steel
Electrical Connection	100cm, 26AWG 55Spec + DR25 Sleeve
Mechanical Connection	1/8 Inch NPT Male (ANSI B1.20.1)
Protection Class	IP67
Weight (Excluding Cable)	Brass: 20g Stainless Steel: 20g

bf1systems adopts a continuous development program which sometimes necessitates specification changes without notice.

	NTC 3KΩ	PT1000
Temp °C	Output Ω	Output Ω
-30	53100.00	882.20
-20	29121.00	921.60
-10	16599.00	960.90
-0	9795.00	1000.00
10	5970.00	1039.00
20	3747.00	1077.90
25	3000.00	1097.30
30	2417.10	1116.70
40	1598.10	1155.40
50	1080.90	1194.00
60	746.40	1232.40
70	525.60	1270.80
80	376.50	1309.00
90	274.59	1347.10
100	203.46	1385.10
110	153.09	1422.90
120	116.79	1460.70
130	90.28	1498.30
140	70.58	1535.80
150	55.79	1573.30

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The Competitive Advantage

Features

- /8 NPT Thread
- PEEK ISOTIP
- Miniature Size
- -30°C to +150°C
- PT1000 or NTC
- Rugged Construction

Applications

- Air Inake
- Cabin Temperature

Contact Us:

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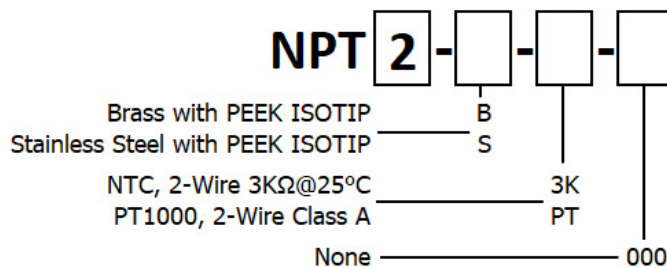
+44 (0)1476 568057
sales@bf1systems.com

Part Number Configuration

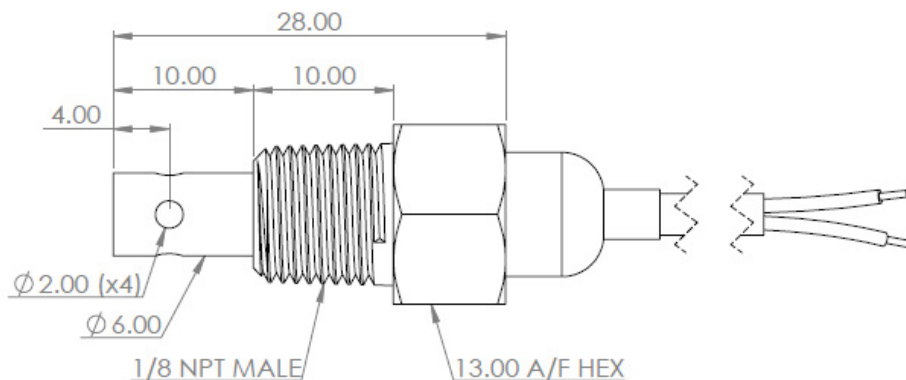
Construction

Sensor Type

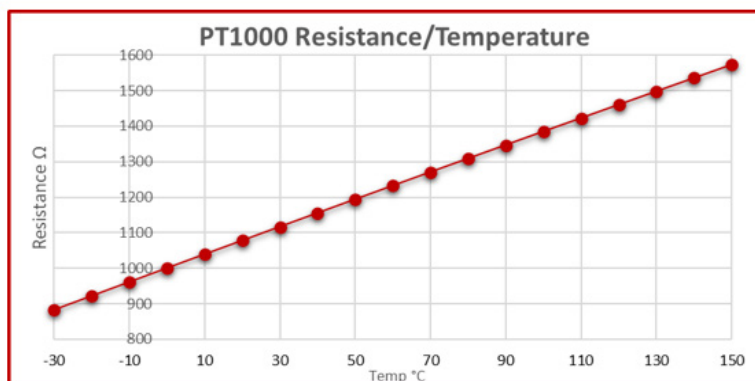
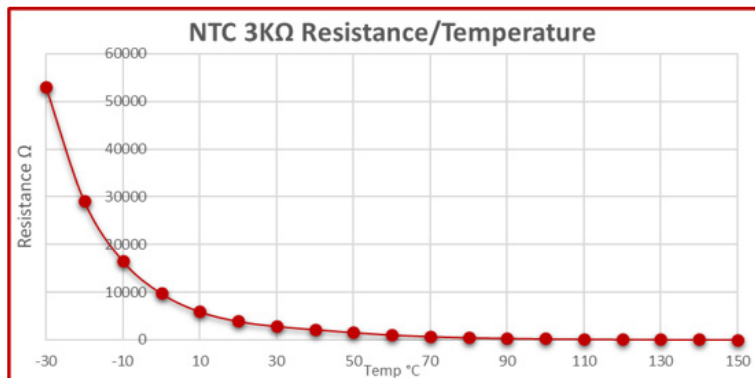
Special Code



Mechanical Details



NTC 3K Ω / PT1000 Temperature Graphs



Connection Details

Output	Output
Red	White

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