

NTC Series

NTC2 Air and Gas Temperature Sensor



The NTC2 Series of High Performance Temperature Sensors are designed to measure the temperatures of all types of air and gas in demanding motorsport and automotive testing applications.

The sensing element can either be a PT1000 or a NTC 3K Ω Thermistor, calibration of each is well defined and can be installed into most common ECUs and data logging systems.

Construction choice is either anodised aluminium, brass or stainless steel — all with a heat insulating PEEK ISOTIP which isolates the sensing element from surrounding heat soak. With standard motorsports cable and sleeve this will protect from the harsh environments around the vehicle.

Technical Specifications

Ranges (FS)	-30°C to +150°C
Accuracy	±1°C
Response Time	<5 Seconds
Seal	Viton O-Ring
Sensor Type	NTC 3K Ω or PT1000
Construction	Brass, Aluminium or Stainless Steel with PEEK ISOTIP
Electrical Connection	100cm, 26AWG 55Spec + DR25 Sleeve
Mechanical Connection	M6x1, M8x1 or M10x1
Protection Class	IP67
Weight (Excluding Cable)	5g to 10g (Depending on Material)

	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

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

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The Competitive Advantage

Features

- Fast Response
- With PEEK ISOTIP
- -30°C to +150°C
- NTC or PT1000
- Rugged Construction

Applications

- Air Intake
- Cabin Temperature

Contact Us:

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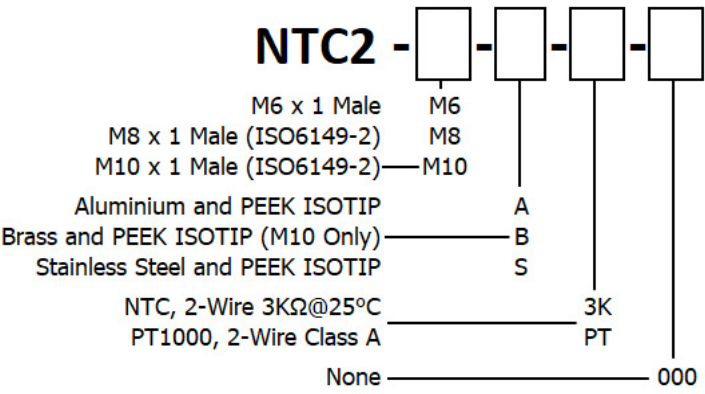
Part Number Configuration

Mounting Thread

Construction

Sensor Type

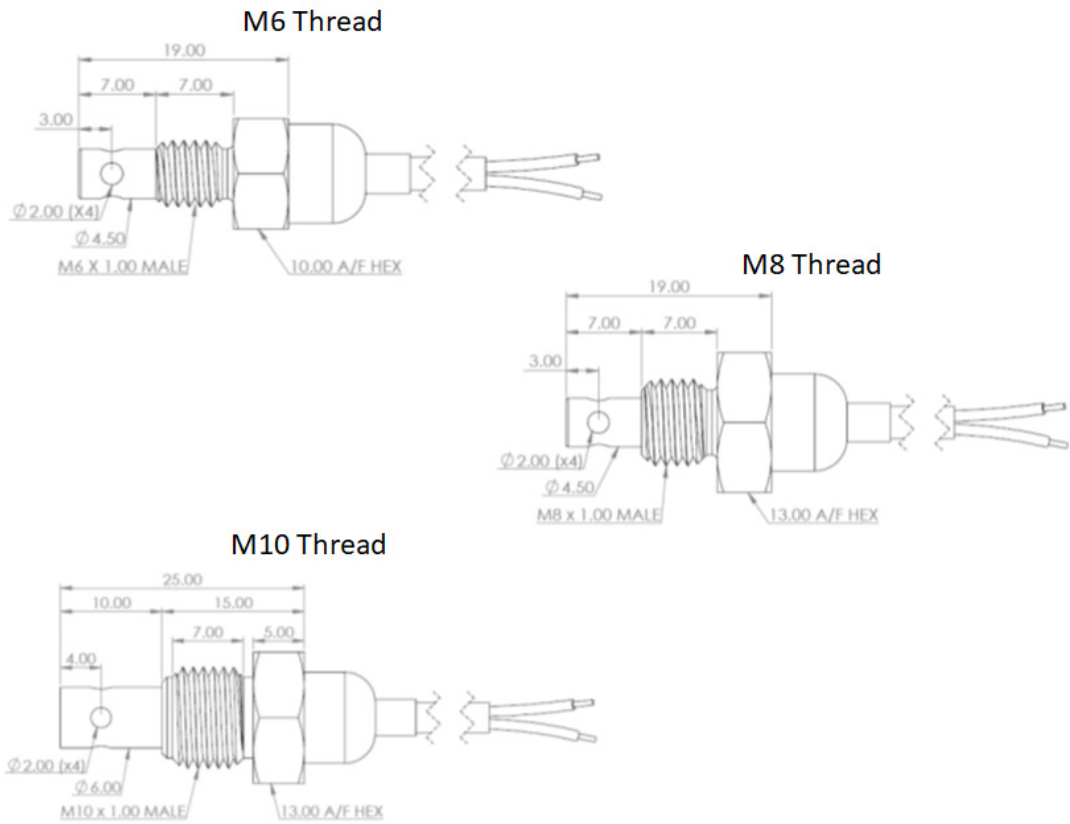
Special Code



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Mechanical Details



Applications

- Air Intake
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Maximum Torque Rating		
Thread	Material	Max. Torque (Nm)
M6	Aluminium	1.5
	Stainless Steel	5
M8	Aluminium	8
	Stainless Steel	10
M10	Aluminium	10
	Brass	10
	Stainless Steel	15

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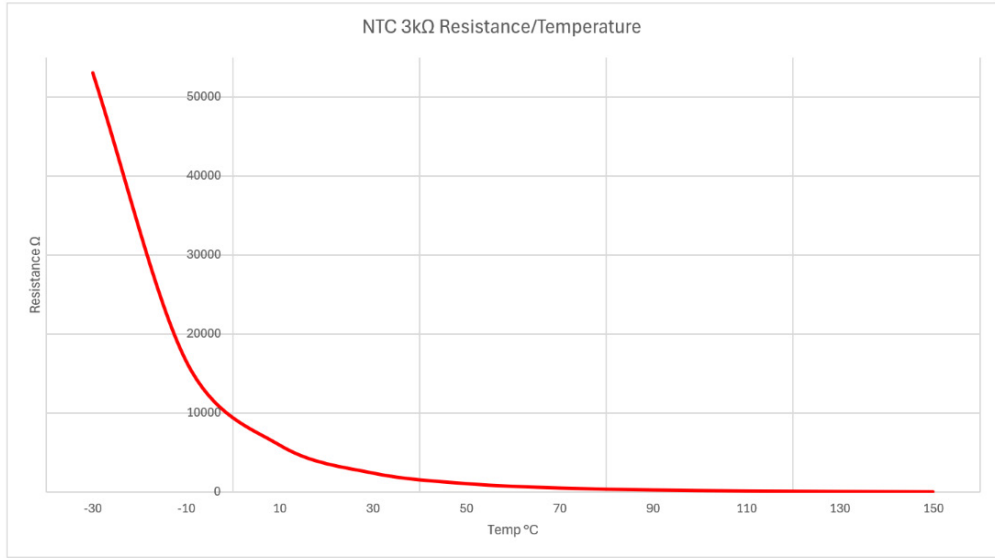
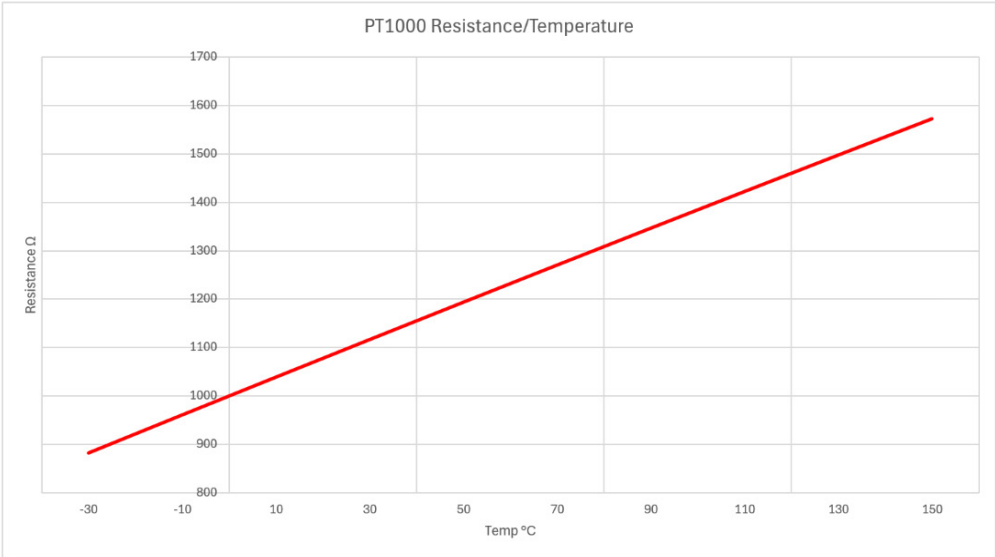
Temperature Vs Resistance Graphs

Features

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- Rugged Construction

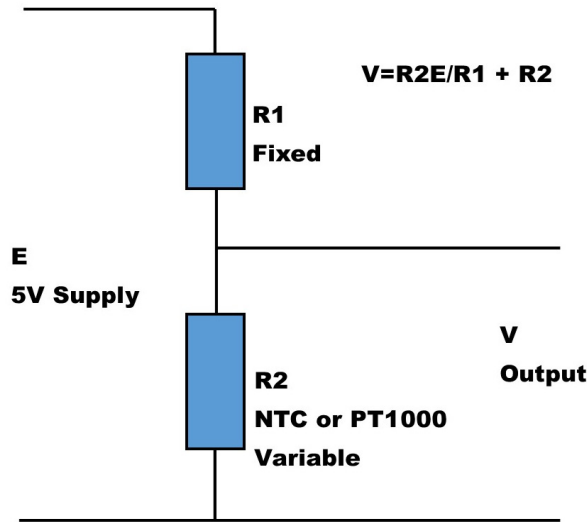
Applications

- Air Intake
- Cabin Temperature



Connection Details

Output	Output
Red	White



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