

NTC Series NTC1 Fluid Temperature Sensor



The NTC1 Series of High Performance Temperature Sensors are designed to measure the temperatures of all types of fluid in demanding motorsport and automotive testing applications.

The sensing element can be either: PT1000 or an NTC 3KΩ Thermistor; calibration of each is well defined and can be installed into most common ECUs and data logging systems.

Construction choice is either aluminium, brass or stainless steel. With standard motorsports cable and sleeve this will protect from the harsh environments around the vehicle.

The NTC1 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		NTC 10KΩ	PT1000
Accuracy	<±1°C	Temp °C	Output Ω	Output Ω
Response Time	<10 Seconds	-30	53100.00	882.20
Seal	Viton O-Ring	-20	29121.00	921.60
Sensor Time	NTC 3KΩ or PT1000 class A	-10	16599.00	960.90
Construction	Brass, Aluminium or Stainless Steel	-0	9795.00	1000.00
Electrical Connection	100cm, 26AWG 55Spec + DR25 Sleeve	10	5970.00	1039.00
Mechanical Connection	Please See Part Number Configurator	20	3747.00	1077.90
Protection Class	IP67	25	3000.00	1097.30
Weight (Excluding Cable)	Brass, Stainless steel: 20g Aluminium: 3g	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.

Features

- Miniature Size
- -30°C to +150°C
- PT1000 or NTC
- Rugged Construction

Applications

- Coolant
- Water
- Brake
- Fuel
- Oil

Contact Us:

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Part Number Configuration

Mounting Thread

M6 x 1 Male - Not in Brass Construction
 M8 x 1 Male (ISO6149-2)
 M10 x 1 Male (ISO6149-2)
 M12 x 1.50 Male (ISO6149-2) - Not in Brass Construction

Construction

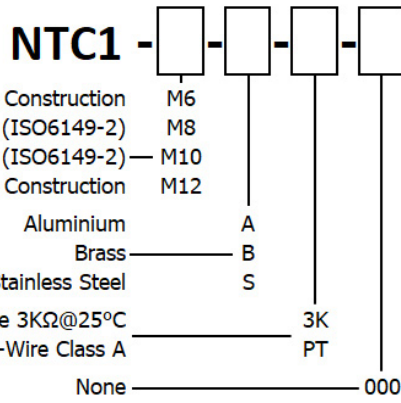
Aluminium
 Brass
 Stainless Steel

Sensor Type

NTC, 2-Wire 3K Ω @25 $^{\circ}$ C
 PT1000, 2-Wire Class A

Special Code

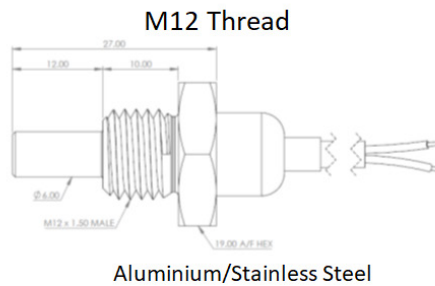
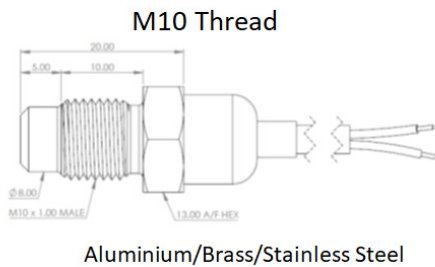
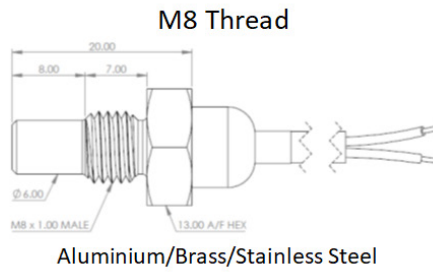
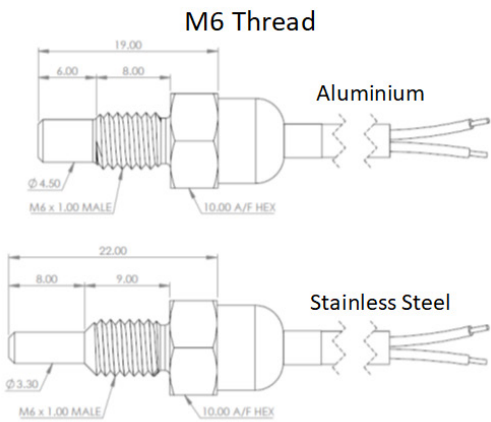
None



Features

- Miniature Size
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- PT1000 or NTC
- Rugged Construction

Mechanical Details



Applications

- Coolant
- Water
- Brake
- Fuel
- Oil

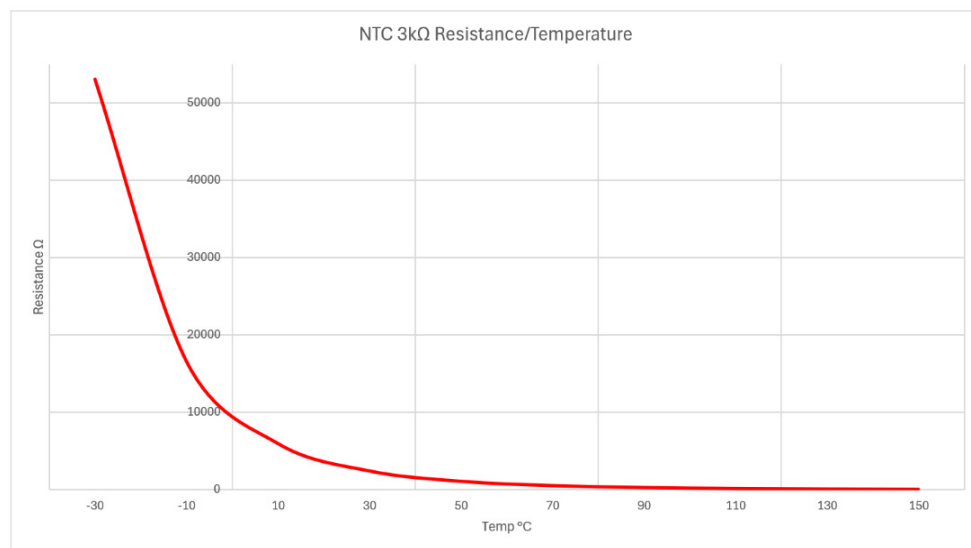
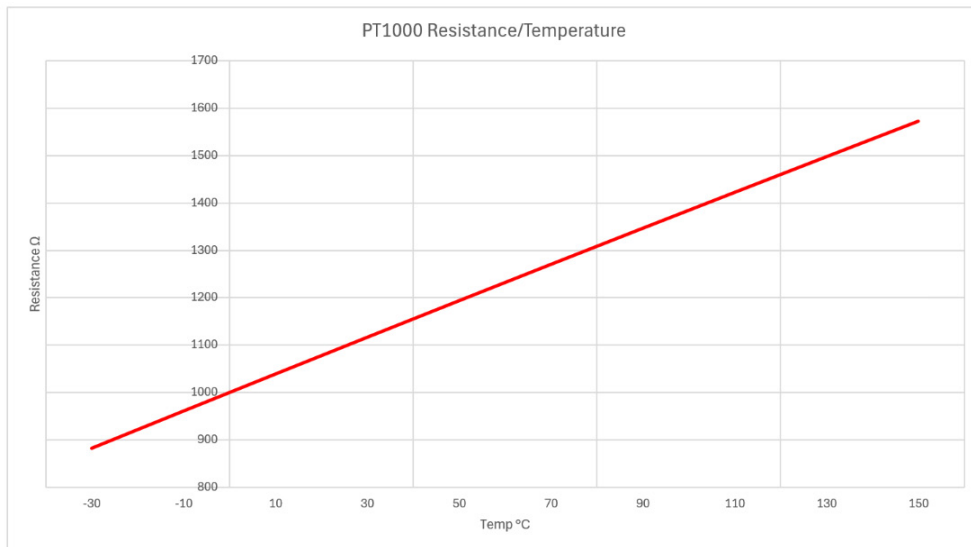
Maximum Torque Rating		
Thread	Material	Max. Torque (Nm)
M6	Aluminium	1.5
	Stainless Steel	5
M8	Aluminium	8
	Brass	8
	Stainless Steel	10
M10	Aluminium	10
	Brass	10
	Stainless Steel	15
M12	Aluminium	10
	Stainless Steel	15

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Temperature Vs Resistance Graphs



Features

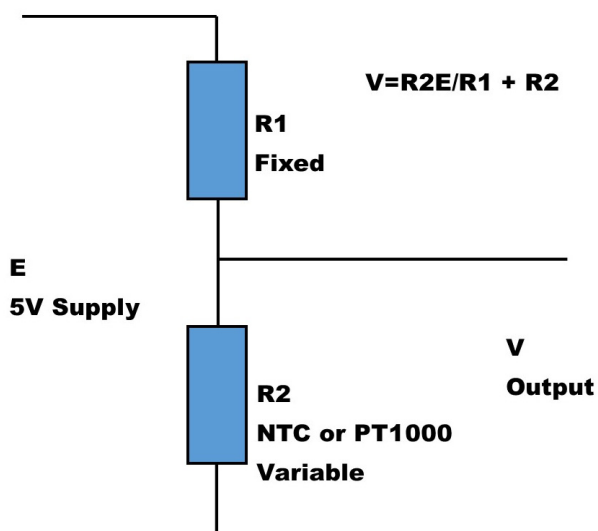
- Miniature Size
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Applications

- Coolant
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Connection Details

Output	Output
Red	White



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