

NTC SERIES NTC2F-FAST RESPONSE AIR AND GAS TEMPERATURE SENSOR



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

The sensing element is a sub-miniature 10KΩ NTC Thermistor, with a very fast response time which helps to improve engine performance. 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 +200°C
Accuracy	±1°C
Response Time	<2 Seconds (In Moving Air)
Sensor Type	NTC 10KΩ
Construction	Brass, Aluminium or Stainless Steel with PEEK ISOTIP
Electrical Connection	100cm, 26AWG 55M Spec wire + Viton Sleeve
Mechanical Connection	See Part Number Configurator
Protection Class	IP67
Weight (Excluding Cable)	5g to 10g (Depending on Material)

	NTC10KΩ
Temp °C	Output Ω
-30	120370.00
-20	71668.00
-10	44087.00
0	27936.00
10	18187.00
20	12136.00
25	10000.00
30	8284.50
40	5774.20
50	4102.60
60	2967.30
70	2181.70
80	1628.80
90	1233.50
100	946.59
110	735.47
120	578.10
130	459.36
140	368.75
150	298.86
160	244.40
170	201.60
180	167.60
190	140.40
200	118.50

KA Sensors adopts a continuous development program which Sometimes necessitates specification changes without notice.

Sensors For Motorsport

Features

- Fast Response
- With PEEK ISOTIP
- -30°C to +200°C
- 10KΩ NTC
- Rugged Construction

Applications

- Air Intake
- Turbo Temperature

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PART NUMBER CONFIGURATOR

NTC2F - - -

Mounting Thread

- M6 x 1 Male
- M8 x 1 Male (ISO6149-2)
- M10 x 1 Male (ISO6149-2)
- M12 x 1.50 Male (ISO6149-2)

Construction

- Aluminium and PEEK ISOTIP
- Brass and PEEK ISOTIP (M10 Only)
- Stainless Steel and PEEK ISOTIP

Special Code

- None
- 000

*Sense
Analyse
Control*

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

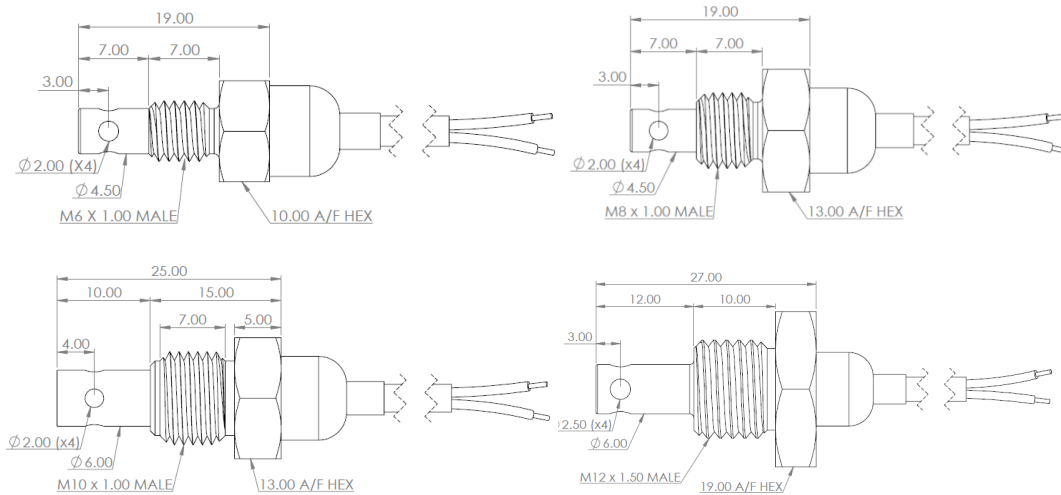
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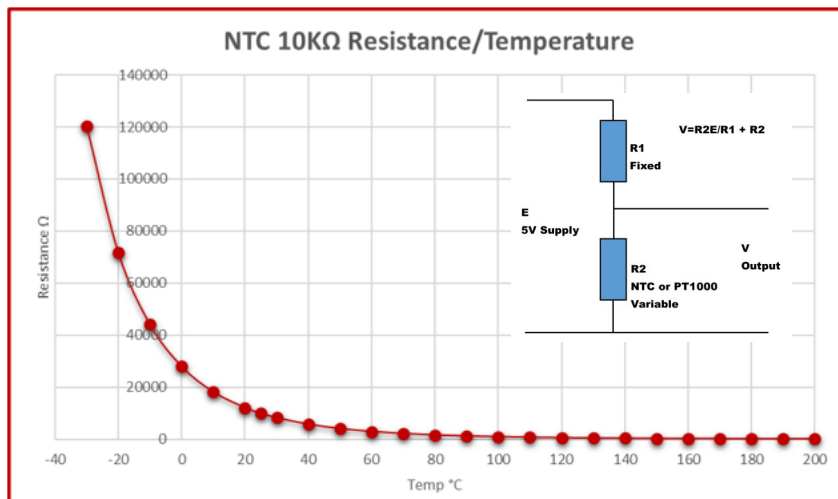
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MECHANICAL DETAILS



NTC 10K Ω TEMPERATURE GRAPH



CONNECTION DETAILS

Output	Output
Red	White