



NTC SERIES NTC2-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.

Sensors For Motorsport

Features

- 2 Second Fast Response
- With PEEK ISOTIP
- -30°C to +200°C
- 10KΩ NTC
- Rugged Construction
- IP67

TECHNICAL SPECIFICATIONS

Ranges (FS)	-30°C to +200°C
Accuracy	±1°C
Response Time	<2 Seconds (In Moving Air)
Seal	Viton O-Ring
Sensor Type	Please See Table on Right
Construction	Brass, Aluminium or Stainless Steel with PEEK ISOTIP
Electrical Connection	30cm, 26AWG 55Spec + DR25 Sleeve
Mechanical Connection	Please See Part Number Configurator
Protection Class	IP67
Vibration	Mil-Std-810C, Curve L, 20G
Weight (Excluding Cable)	5g to 10g (Depending on Material)
Options	Cable Spec, Connector and Labelling

Temp C	Ohms
-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

Applications

- Air Intake
- Turbo Temperature

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NTC2F 10.18

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

PART NUMBER CONFIGURATOR

	NTC2F	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>
Mounting Thread	M6 x 1 Male		M6								
	M8 x 1 Male (ISO6149-2)		M8								
	M10 x 1 Male (ISO6149-2)		M10								
	M12 x 1.50 Male (ISO6149-2)		M12								
	1/4 Inch 20 UNC (ANSI B1.1)		14A								
Construction	Aluminium and PEEK ISOTIP		A								
	Brass and PEEK ISOTIP (M10 Only)		B								
	Stainless Steel and PEEK ISOTIP		S								
Sensor Type	NTC, 2-Wire 10KΩ@25°C						10K				
Cable Length	30cm, 55Spec, 26 AWG Cable + DR25 Sleeve								030		
Special Code	None									000	

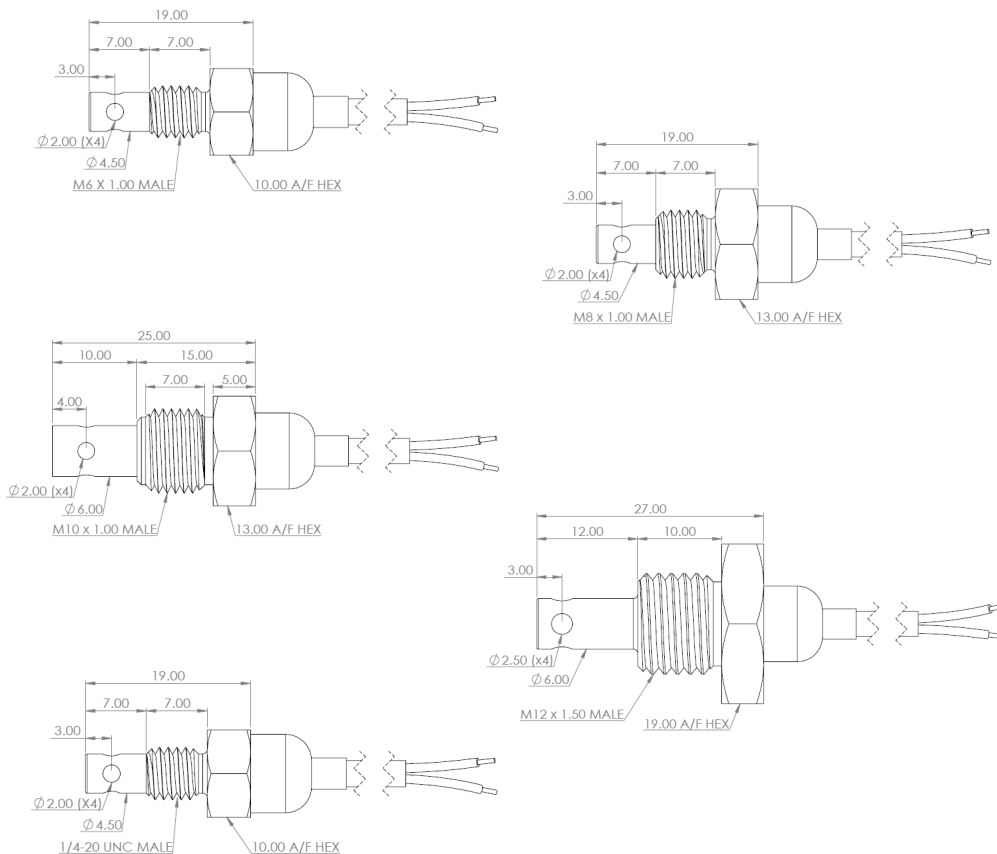
The KA configuration tool is used to specify a standard KA Sensor, other options are available.

*Sense
Analyse
Control*

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

MECHANICAL DETAILS



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CONNECTION DETAILS

Output	Output
Red	White

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