



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 on-vehicle 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 anodized aluminum, 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

- Fast Response - 2 sec
- With PEEK ISOTIP
- 20°F to +400°F
- 10kΩ NTC
- IP67 Sealed

TECHNICAL SPECIFICATIONS

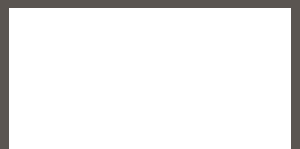
Ranges (FS)	-20°F to +400°F (-30°C to +200°C)
Accuracy	<±1.8°F (±1°C)
Response Time	<2 Seconds (In Moving Air)
Seal	Viton O-Ring
Sensor Type	Please See Table on Right
Construction	Brass, Aluminum or Stainless Steel with PEEK ISOTIP
Electrical Connection	12", 26AWG 55Spec + Viton Sleeve
Mechanical Connection	Please See Part Number Configurator - page 2
Protection Class	IP67
Vibration	Mil-Std-810C, Curve L, 20G
Weight (Excluding Cable)	0.18oz to 0.35oz <i>depending on material</i>
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

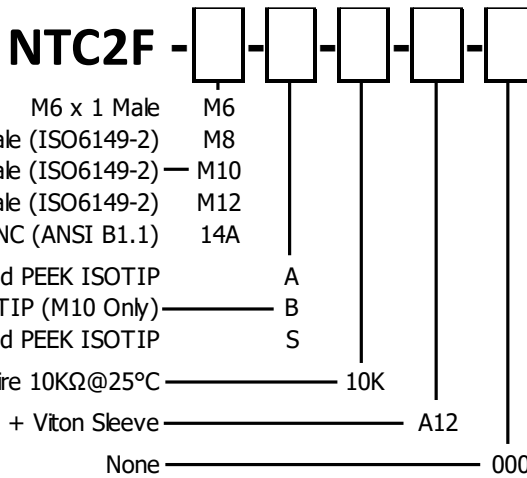
Applications

- Air Intake
- Turbo Temperature

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Represented by:



PART NUMBER CONFIGURATOR



Mounting Thread

Construction

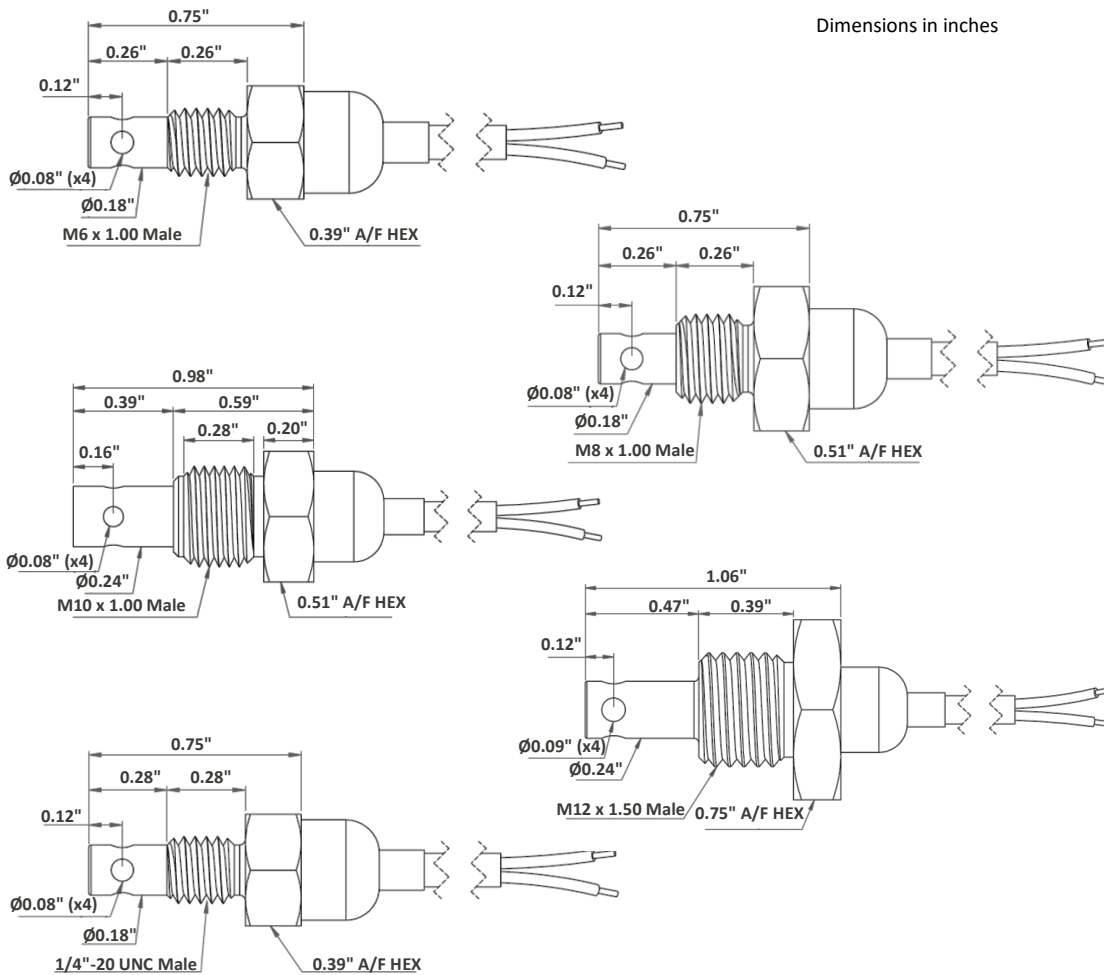
Sensor Type

Cable Length

Special Code

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

MECHANICAL DETAILS



ELECTRICAL DETAILS

Output	Output
Red	White

*Sense
Analyze
Control*

Sensors For:

- Temperature
- Acceleration
- Pressure
- Position
- Torque
- Speed
- Angle
- Force

Services For:

- Data Logging
- Telemetry
- Controls
- Wiring

Contact Us

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