



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 on-vehicle automotive testing applications.

The sensing element can either be a PT1000 or an NTC Thermistor. 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

- With PEEK ISOTIP
- -20°F to +300°F
- PT1000 or NTC
- IP67
- Miniature Size

TECHNICAL SPECIFICATIONS

Ranges (FS)	-20°F to +300°F (-30°C to +150°C)
Accuracy	<±1.8°F (<±1°C)
Response Time	<10 Seconds
Seal	Viton O-Ring
Sensor Type	Please See Table on Right
Construction	Aluminum, Brass or Stainless Steel with PEEK ISOTIP
Electrical Connection	12", 26AWG 55Spec + DR25 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>

	NTC3KΩ	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

Applications

- Air Intake
- Cabin Temperature

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 www.kasensors.com
 Represented by:



PMC/KA Sensors adopts a continuous development program which some-

PART NUMBER CONFIGURATOR

Mounting Thread

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

Construction

Aluminum and PEEK ISOTIP
 Brass and PEEK ISOTIP (M10 Only)
 Stainless Steel and PEEK ISOTIP

Sensor Type

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

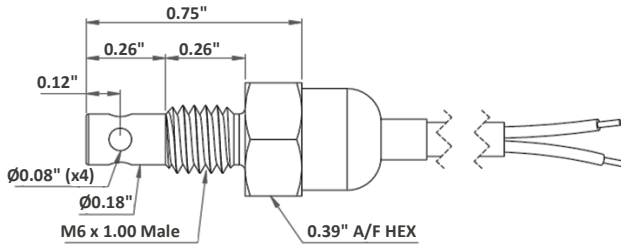
Special Code

None 000

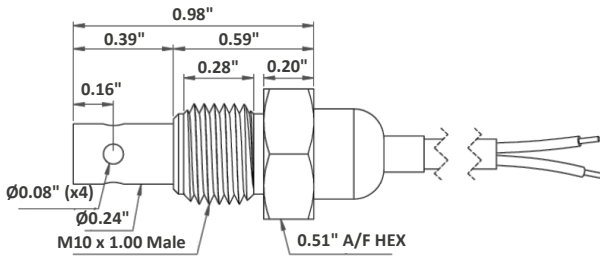
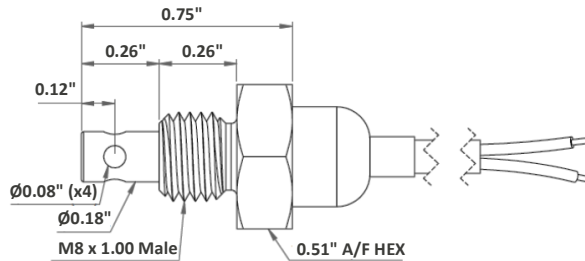


The KA configuration tool is used to specify a standard KA Sensor, other options are available.

MECHANICAL DETAILS



Dimensions in inches



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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