

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 automotive testing applications.

The sensing element can either be a PT1000 or a NTC Thermistor, 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 +150°C | | NTC3KΩ | PT1000 |
| Accuracy | ±1°C | Temp °C | Output Ω | Output Ω |
| Response Time | <5 Seconds | -30 | 53100.000 | 882.200 |
| Seal | Viton O-Ring | -20 | 29121.000 | 921.600 |
| Sensor Type | Please See Table on Right | -10 | 16599.000 | 960.900 |
| Construction | Brass, Aluminium or Stainless Steel with PEEK ISOTIP | 0 | 9795.000 | 1000.000 |
| Electrical Connection | 30cm, 26AWG 55Spec + DR25 Sleeve | 10 | 5970.000 | 1039.000 |
| Mechanical Connection | Please See Part Number Configurator | 20 | 3747.000 | 1077.900 |
| Protection Class | IP67 | 25 | 3000.000 | 1097.300 |
| Vibration | Mil-Std-810C, Curve L, 20G | 30 | 2417.100 | 1116.700 |
| Weight (Excluding Cable) | 5g to 10g (Depending on Material) | 40 | 1598.100 | 1155.400 |
| Options | Cable Spec, Connector and Labelling | 50 | 1080.900 | 1194.000 |
| | | 60 | 746.400 | 1232.400 |
| | | 70 | 525.600 | 1270.800 |
| | | 80 | 376.500 | 1309.000 |
| | | 90 | 274.590 | 1347.100 |
| | | 100 | 203.460 | 1385.100 |
| | | 110 | 153.090 | 1422.900 |
| | | 120 | 116.790 | 1460.700 |
| | | 130 | 90.279 | 1498.300 |
| | | 140 | 70.581 | 1535.800 |
| | | 150 | 55.791 | 1573.300 |

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

Sensors For Motorsport

Features

- Fast Response
- With PEEK ISOTIP
- -30°C to +150°C
- 3KΩ NTC
- Rugged Construction
- IP67

Applications

- Air Intake
- Cabin Temperature

kasensors.com

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PART NUMBER CONFIGURATOR

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 3K Ω @25°C 3K
 PT1000, 2-Wire Class A PT

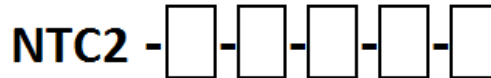
Cable Length

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.

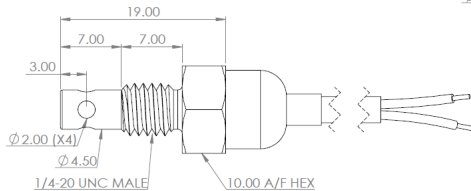
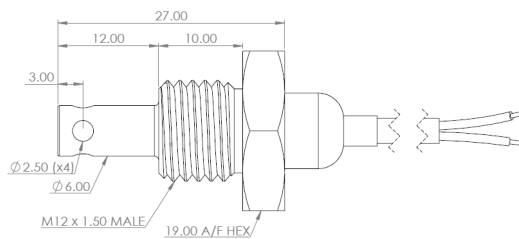
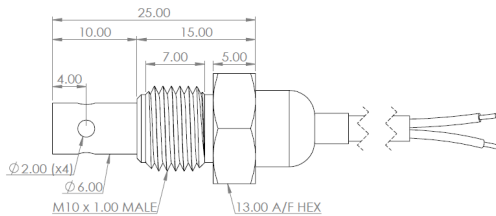
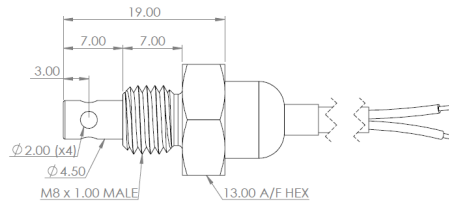
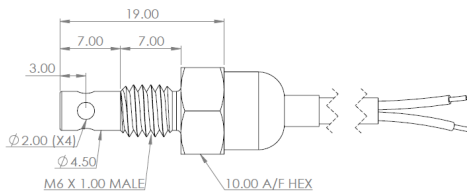


*Sense
 Analyse
 Control*

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

MECHANICAL DETAILS



CONNECTION DETAILS

| | |
|--------|--------|
| Output | Output |
| Red | White |

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