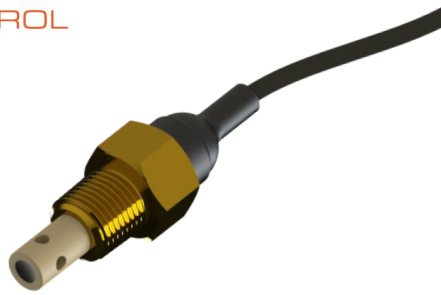


## NPT SERIES NPT2 AIR AND GAS TEMPERATURE SENSOR



The NPT2 Series of High Performance Temperature Sensors are designed to measure the temperatures of all types of air and gas in demanding motorsport and automotive applications.

The sensing element can be either 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 is either brass or stainless steel, both with a heat insulating PEEK ISOTIP™ which insulates the sensing element from surrounding heat soak. Supplied with standard motorsports cable and sleeve this will protect from the harsh environments around the vehicle.

The NPT2 Series are race proven in many formulae around the world and offer a reliable and robust solution for professional engineers.

Sense  
Analyse  
Control

### Features

- 1/8 NPT Thread
- PEEK ISOTIP
- Miniature Size
- -30°C to +150°C
- PT1000 or NTC
- Rugged Construction

## TECHNICAL SPECIFICATIONS

<b>Ranges (FS)</b>	-30°C to +150°C
<b>Accuracy</b>	<±1°C
<b>Response Time</b>	<5 Seconds
<b>Seal</b>	Viton O-Ring
<b>Sensor Type</b>	NTC 3KΩ or PT1000
<b>Construction</b>	Brass or Stainless Steel
<b>Electrical Connection</b>	100cm, 26AWG 55Spec + DR25 Sleeve
<b>Mechanical Connection</b>	1/8 Inch NPT Male (ANSI B1.20.1)
<b>Protection Class</b>	IP67
<b>Weight (Excluding Cable)</b>	Brass: 20g Stainless Steel: 20g

	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

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

bf1systems.com  
sales@kasensors.com

NPT2  
KA035T-DS (rev1)

## PART NUMBER CONFIGURATOR

Construction

Brass with PEEK ISOTIP  
Stainless Steel with PEEK ISOTIP

Sensor Type

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

Special Code

None 000

NPT **2** -  -  -

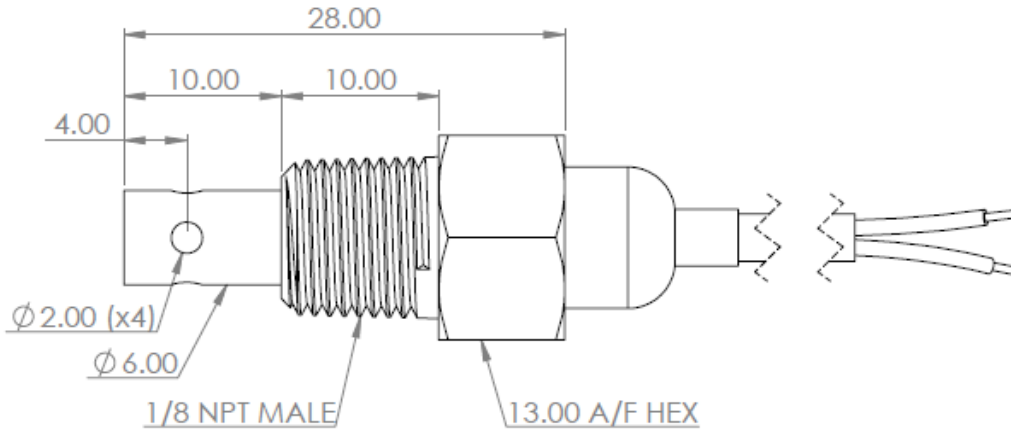
B  
S

3K  
PT

000

*Sense  
Analyse  
Control*

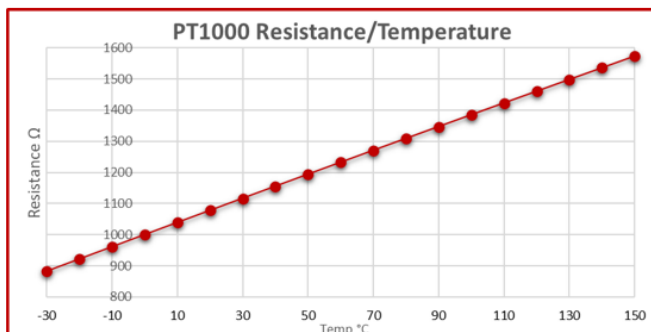
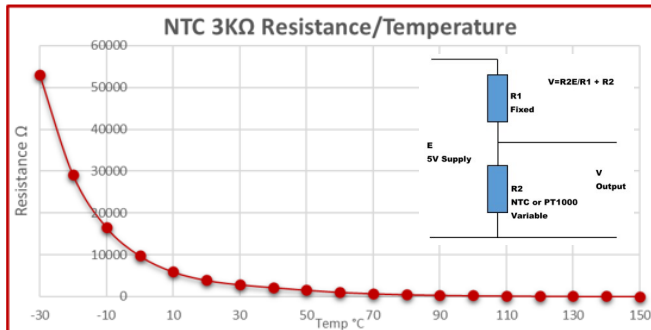
## MECHANICAL DETAILS



Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

## NTC 3K $\Omega$ / PT1000 TEMPERATURE GRAPHS



## CONNECTION DETAILS

Output	Output
Red	White

## Contact us

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NPT2  
KA035T-DS (rev1)