kasensors
SENSE ▪ ANALYSE ▪ CONTROL

NTC Series
NTC2
Air and Gas
Temperature Sensor

Sense

Analyse

Control

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 3KΩ 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.

Features

- Fast Response
- With PEEK ISOTIP
- -30°C to +150°C
- NTC or PT1000
- Rugged Construction

Technical Specifications

Ranges (FS)	-30°C to +150°C
Accuracy	±1°C
Response Time	<5 Seconds
Seal	Viton O-Ring
Sensor Type	NTC 3KΩ or PT1000
Construction	Brass, Aluminium or Stainless Steel with PEEK ISOTIP
Electrical Connection	100cm, 26AWG 55Spec + DR25 Sleeve
Mechanical Connection	M6x1, M8x1 or M10x1
Protection Class	IP67
Weight (Excluding Cable)	5g to 10g (Depending on Material)

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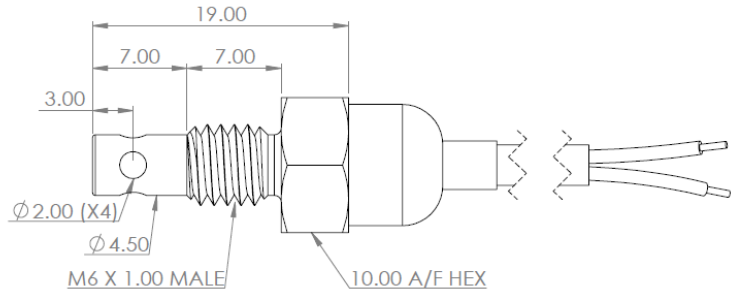
KA Sensors adopts a continuous development program which Sometimes necessitates specification changes without notice.

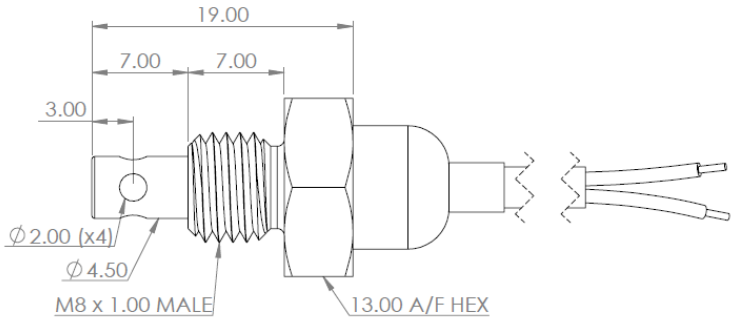
Part Number Configurator

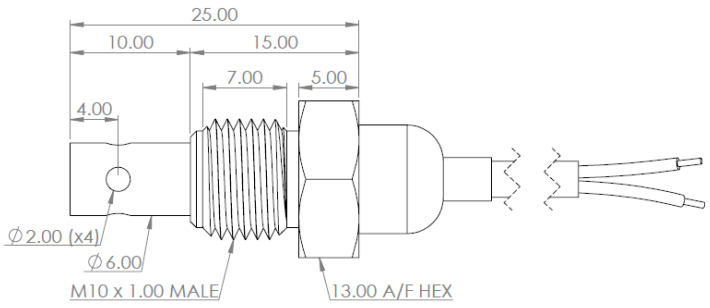
NTC2 - □ - □ - □ - □

Mounting Thread	M6 x 1 Male	M6
	M8 x 1 Male (ISO6149-2)	M8
	M10 x 1 Male (ISO6149-2)	M10
Construction	Aluminium and PEEK ISOTIP	A
	Brass and PEEK ISOTIP (M10 Only)	B
	Stainless Steel and PEEK ISOTIP	S
Sensor Type	NTC, 2-Wire 3KΩ@25°C	3K
	PT1000, 2-Wire Class A	PT
Special Code	None	000

Mechanical Details

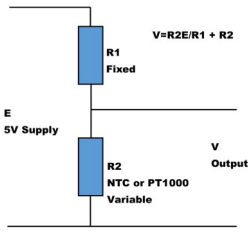






Connection Details

Output	Output
Red	White



Sense

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Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

Contact us

KA Sensors Ltd

Unit 13, Priest Court

Springfield Business Park

Grantham

United Kingdom

NG31 7FZ

bf1systems.com

sales@kasensors.com