

NTC1 SERIES FLUID TEMPERATURE SENSOR

The NTC1 Series of high performance temperature sensors are designed to measure the temperatures of all types of fluid in demanding motorsport and on-vehicle automotive applications.

The sensing element can be either PT1000 or NTC thermistor, calibration of each is well defined and can be installed into most common ECUs and data logging systems.

Construction is aluminium, brass or stainless steel with standard motorsports cable and sleeve used to protect from the harsh environments around the vehicle.

For special applications we can modify the sensor design to exactly match custom specifications.

The NTC1 Series are race proven in many formula around the world and offer a reliable and robust solution for professional engineers

**Sense
Measure
Control**

Features

- *Miniature Size*
- *-20°F to +300°F*
- *PT1000 or NTC*
- *IP67*
- *Custom Designs*

Applications

- *Coolant*
- *Water*
- *Brake*
- *Fuel*
- *Oil*

TECHNICAL SPECIFICATIONS

Ranges (FS)	-20°F to 300°F (-30°C to +150°C)		NTC3KΩ	PT1000
Accuracy	±1.8°F (±1°C)	Temp °C	Output Ω	Output Ω
Response Time	<10 Seconds	-30	53100.000	882.200
Seal	Viton O-ring	-20	29121.000	921.600
Sensor Type	See table on the right	-10	16599.000	960.900
Construction	St Steel. Brass or Anodized Aluminum	0	9795.000	1000.000
Electrical Connection	12 ins 26AWG55spec + DR25	10	5970.000	1039.000
Mechanical Connection	M6, M8, M10 & M12	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)	0.1oz aluminum, 0.7oz stainless steel and brass	40	1598.100	1155.400
Options	Cable length, connector or 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

PMC/KA Sensors adopts a continuous development program which sometimes necessitates specification changes without notice

Contact us

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Represented by:



Sensors and solutions for Motorsport and On-Vehicle applications

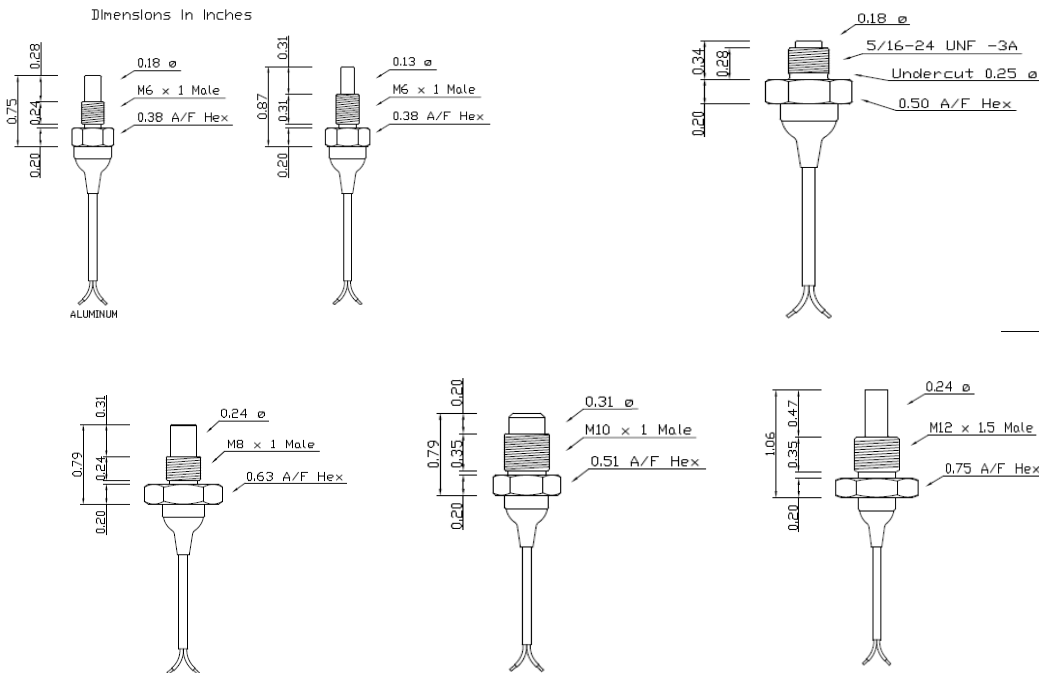
KAfigurator

NTC1 M12 A 3K A12 000

Mounting Thread	(Not in Brass)	M6 x 1	M6		
		M8 x1	M8		
		M10 x1	M10		
	(Not in Brass)	M12 x1.5	M12		
		1/4 inch - 20 UNC	14		
		5/16 inch - 24 UNF	516		
Construction		Aluminum	A		
		Brass	B		
		Stainless Steel	S		
Sensor Type		3K ohm @ 25C		3K	
		PT1000		PT	
Cable Length		12 inches			A12
		16 inches			A16
		20 inches			A20
		40 inches			A40
Special Codes		None			000

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 Measure Control

Sensors for

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

Services for

- Data Logging
- Telemetry
- Controls
- Wiring
- Design

KA Sensors is

- Engineering led
- Confidential
- Experienced
- Responsive
- Dynamic
- Friendly

Sensors and solutions for Motorsport and On-Vehicle applications