



Sense
Measure
Control

Model NTC2-M10 Air Temperature Sensor

- *Miniature Size*
- *Range -22°F to 302°F*
- *Ruggedized Construction*
- *PT1000 or NTC Thermistor*
- *Isolation Top Option*
- *Custom Designs*



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 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 either aluminum or aluminum with PEEK tip, with a 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 NTC2 Series are race proven in many formula around the world and offer a reliable and robust solution for professional engineers.

Typical applications include: Air Intake – Cabin Temperature

KA Sensors is a dynamic company with over 30 years of sensor and instrumentation experience in the motorsport industry. We offer a strong engineering led service to all of our customers, with speed of response and confidentiality being paramount.

Please contact us for further expert assistance with your application.

Process Measurement & Controls, Inc.- 11 Old Sugar Hollow Road – Danbury – CT 06810 - USA

Tel: 203-792-8686

Fax: 203-743-2051

Email: sales@pmc1.com

Web: www.pmc1.com

NTC2-M10.1012U

Specifications

■ **Range (FS)**
-22 to 302°F

■ **Accuracy**
±1.8°F

■ **Sensor Type**

Temp °F	NTC3KΩ	PT1000
	Output Ω	Output Ω
-22	53100.000	882.200
-4	29121.000	921.600
14	16599.000	960.900
32	9795.000	1000.000
50	5970.000	1039.000
68	3747.000	1077.900
77	3000.000	1097.300
86	2147.100	1116.700
104	1598.100	1155.400
112	1080.900	1194.000
140	746.400	1232.400
158	525.600	1270.800
176	374.500	1309.000
194	274.590	1347.100
212	203.460	1385.100
230	153.090	1422.900
248	116.790	1460.700
266	90.279	1498.300
284	70.581	1535.800
302	55.791	1573.300

■ **Response Time**
<5 sec in free air

■ **Seal**
Viton 'O' ring

■ **Protection Class**
IP67

■ **Construction**
Stainless Steel or Brass, PTFE nose

■ **Electrical Connection**
12 " 55spec, 26AWG Cable +DR25 Sleeve

■ **Vibration**
Mil-Std-810C, Curve L, 20G

■ **Weight**
0.11 oz Aluminum (excluding cable)
0.3oz Stainless Steel (excluding cable)
0.71oz Brass (excluding cable)

■ **Options**
Cable Length, Connector Fitted
Part Number Labelling

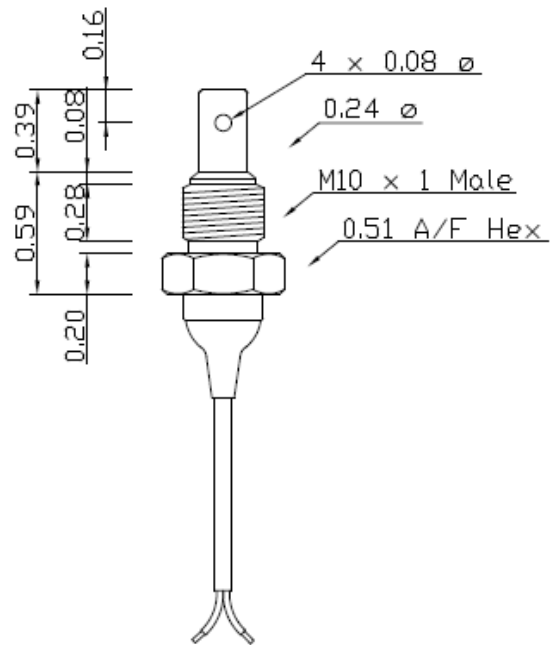
How to Order

■ Please provide information as below:

	NTC2/M10	/ 0	/ 0 0 0 0 0 0
Construction	Aluminum	A	
	Stainless Steel	S	
	Brass	B	
Sensor	3KΩ@77°F		3 K
Type	PT1000		P T 1 0 0 0

Standard Configuration

Dimensions in inches



Other Products

■ **KA Sensors offer a wide range of products and services to the Motor Sport Industry.**

■ **Sensors:** Pressure, Force, Torque, Temperature, Acceleration, Displacement, Angle, Speed

■ **Other capabilities:** Telemetry, data logging, Electronics design, Controls, Wiring.
Please contact us for additional information.

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

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