

# Space Temperature Sensors

CE

Model TE-205

RoHS



- Three attractive, rugged and reliable enclosure options for space temperature sensing
- Rugged white polystyrene plastic enclosures for simple room temperature monitoring
- Aesthetically appealing and inconspicuous **Micro** enclosure
- Tamper proof brushed stainless steel plate for rooms with high damage potential
- More than 16 types of interchangeable NTC thermistors, precision platinum, nickel or balco RTDs are available for universal compatibility

The TE-205 Space Temperature Sensors offer three attractive, rugged and reliable enclosure options for space temperature sensing. The standard enclosure manufactured from white polystyrene plastic is aesthetically appealing in any room space. Louvers are provided around the entire enclosure to ensure ample air flow for a fast response. The micro enclosure is a smaller version of the standard enclosure if an inconspicuous application is necessary. The rugged, tamper proof stainless steel plate mounts directly on a 2" X 4" handy box and is ideal for accident prone or high traffic environments such as gymnasiums and hospitals. These three room temperature sensors offer attractive, rugged, reliable, repeatable and stable room temperature sensors at a very low cost.

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## SPECIFICATIONS:

Platinum RTD sensors:	+/- 0.1% @ 0 C, Alpha : 385 per DIN 43760
Nickel RTD sensors(#2):	+/- 0.5 C @ 0 C, 5000 PPM/K T.C.R.
Nickel RTD sensors (#4):	+/- 0.5 F @ 70 F / 21.1 C, 6000 PPM/K T.C.R.
Balco RTD sensors:	+/- 0.5 F @ 70 F /21.1 C, 4300 PPM/K T.C.R.
Thermistor sensors:	+/- 0.2 C interchangeability @ 77 F/ 25 C
Operating Temp:	-40F/-40C to 210F/100C
Ambient Temp:	-40F/-40C to 160F/70C
Material (Plate):	Brushed stainless steel
Material (Standard/Micro):	White polystyrene plastic
Weight (Standard):	1.6 oz (45 g)
Weight (Micro):	0.8 oz (23 g)
Weight (Plate):	2.4 oz (68 g)

## CONFORMANCE & TESTING:

RoHS Compliant

EMC Testing:

BS EN 55022:1998, BS EN 55024:1998,  
EN 61000-3-3, EN 61000-4-2,  
EN 61000-4-3, EN 61000-4-4,  
EN 61000-4-5, EN 61000-4-6,  
EN 61000-4-11

## ORDERING INFORMATION: TE-205-

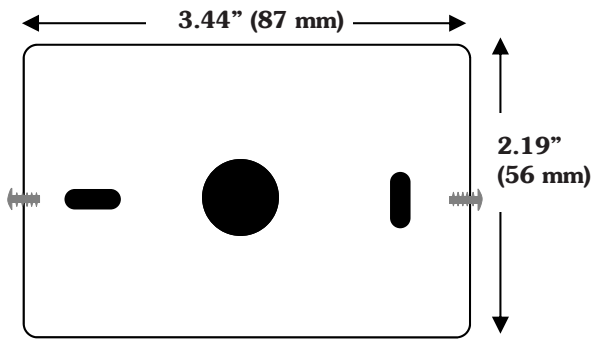
Installation	Temperature Sensor
<b>A</b> Standard Enclosure	<b>1</b> 100 ohm Platinum RTD
<b>M</b> Micro Enclosure	<b>2</b> 1,000 ohm Nickel RTD (5000 PPM)
<b>P</b> Stainless Steel Plate	<b>3</b> 1,000 ohm Platinum RTD
	<b>4</b> 1,000 ohm Nickel RTD (6000 PPM)
	<b>5</b> 1,000 ohm Balco RTD
	<b>7</b> 10,000 ohm NTC thermistor (Type III)
	<b>8</b> 10,000 ohm NTC thermistor (Carel)
	<b>10</b> 3,000 ohm NTC thermistor
	<b>12</b> 10,000 ohm NTC thermistor (Type II)
	<b>13</b> 5,000 ohm NTC thermistor
	<b>14</b> 1,035 ohm Silicon PTC
	<b>15</b> 100,000 ohm NTC thermistor
	<b>16</b> 10,000 ohm NTC thermistor (Eliwell)
	<b>17</b> 20,000 ohm NTC thermistor
	<b>18</b> 2,252 ohm NTC thermistor
	<b>21</b> 1,800 ohm NTC thermistor

Example: TE-205-M-10: Micro Enclosure with 3,000 ohm NTC thermistor.

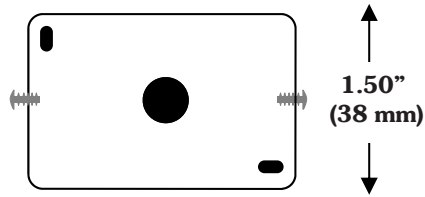
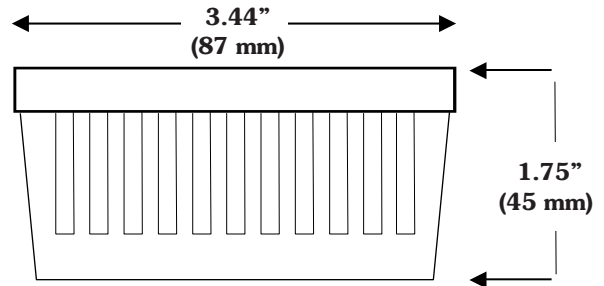
For **Resistance vs. Temperature** tables, please refer to TI. 700-11.

**CAUTION: Do not use in explosive/hazardous environment or with flammable/combustible media.**

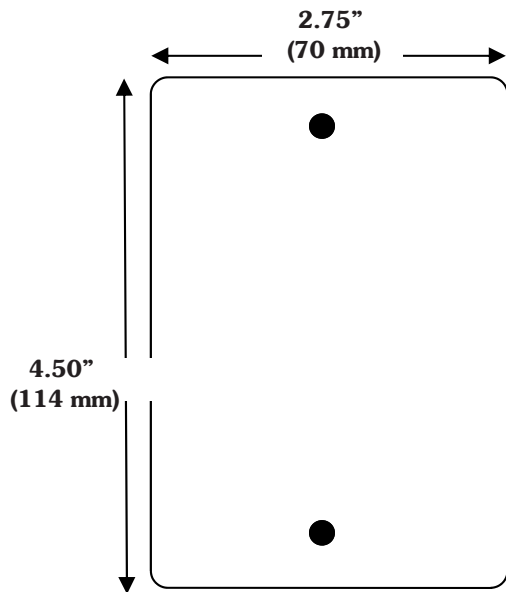
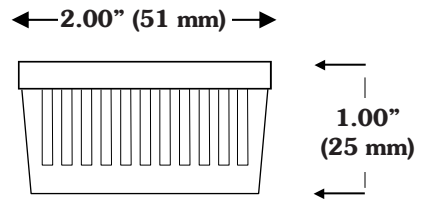
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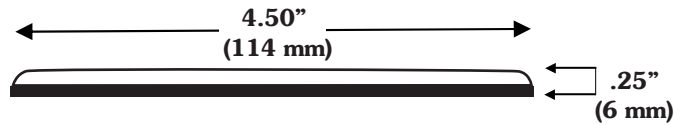
TE-205-A



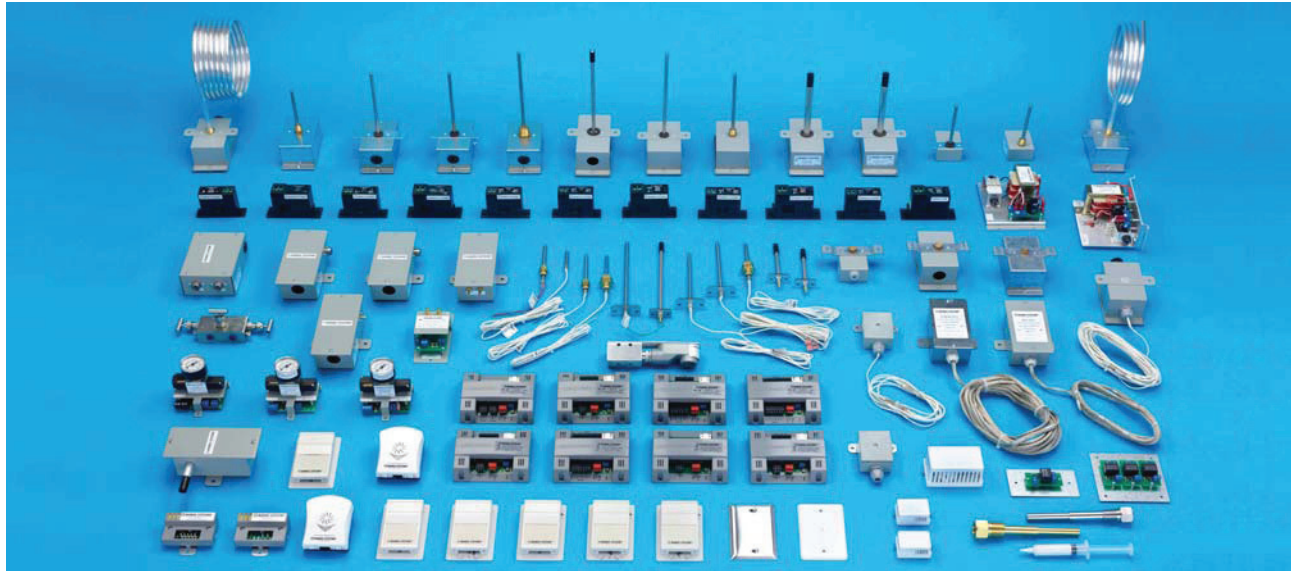
TE-205-M



TE-205-P



## TE-205



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**All MAMAC products are manufactured in the USA.**

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