Temperature Sensor

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Feature

- High-temperature resistance and fast response
- Pt sensor is highly stable and durable.
- Various electrical characteristics are available for your choice.
- Screw-on type, metal case type, and plastic case type sensors are available, and the sensors are customizable.

Function

- Sensor is generally installed in heating board or contacts surface of heat receiving board.
- Sensor is installed in bottom, top, and broadside of oven for multiple point temperature detection.
- Sensor is applied in ovens, cooktops, ranges, etc.

Application

Induction cooker, induction heating cooktop, microwave oven, oven, gas stove, cooking table, etc.

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Feature: Screw-on design is for easy installation

Application: The sensor is installed on metallic surface for temperature detection, and the sensor is mostly installed in induction cooker, induction heating cooktop, and heat sink of kitchen appliances.





Feature: Structure of the sensor is simple, and it dirtectly detects temperature in air.Application: The sensor is mostly used for temperature detection of ambient environment or exhaust air.



Metal Case
TypeFeature: The sensor fits heating board or directly contacts food to for temperature detection.Application: The sensor is mostly installed in heating board for direct temperature detection,
or installed in oven for multiple point temperature detection.



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Feature: Glass coated chip is installed on silicon seat or covered by heat shrink tube for direct temperature detection. The sensor responds fast and is installed easily.

Application: The sensor is mostly used in dryer environment, inclduing cooking table, induction cooker, etc.

For Cooking Table	Component Sensing top(NTC chip+silicon seat)+lead wire+terminal +housing Moisture Resistance 40°C 95% RH X 1000 hours Operation Temperature 0~+250°C Insulation Test DC 500V 100MΩ(Min) R Value R185°C = 1.2 KΩ±5% B Value B100/200= 4015K±3% Thermal Time Constant Around 4 seconds (heating board) Hi-Pot Test AC 1500V 10mA (Max)
For Induction Cooker	Component Sensing top (NTC chip+terminal+tube)+lead wire+tube Moisture Resistance 40°C 95% RH X 1000 hours Operation Temperature -10~+200°C Insulation Test DC 500V 100MΩ (Min) R Value R200°C=0.55KΩ±2.5% B Value B100/200=4300K±3% Thermal Time Constant Around 15 seconds (in air) Hi-Pot Test AC 1500V 10mA (Max)

Other Structures **Feature:** Plastic case type offers better water insulation, and is applied in moisture environment but its environment temperature is not high. In addition, multiple-sensor structure offers better PCB layout, and structure or electrical characteristics is customizable in accordance wiht requirement of temperature detection.

Application:The sensor is generally applied in climate chamber, low-temperature oven, etc.



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