Automotive Oil Line Sensor 2K 3K 5K 10KB3470 3380 3950 High-Precision Thermistor Threaded Fixation

Our Product Introduction

Basic Information

- Place of Origin: Dongguan China
- Brand Name: linkun
- Certification: CE / ROHS / UL / TUV / SGS
- Model Number: Vehicle Temperature Sensor
- Minimum Order Quantity: Negotiation
- Price: Negotiation
- Packaging Details: Export Package / Negotiation
- Delivery Time: Negotiation
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 24 million per year

Product Specification

- Features: Fast Response
- Application: Industry
- Type: Thermistor
- Working Temperature Range(°C): -10 To +105c
- Resistance Value: 5K,10K,20K,50K,100K
- Dissipation Factor(mw/°C): 1-2 (in Still Air)
- Highlight: **10K Waterproof Thermistor Probe**, **Multipurpose Waterproof Thermistor Probe**, **Stable 10K NTC Probe**

More Images

Our Product Introduction

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Product Description

Automotive Oil Line Sensor 2K 3K 5K 10KB3470 3380 3950 High-Precision Thermistor Threaded Fixation

NTC Temperature Sensors offers wide range of standard and customized temperature sensors designed according to individual customer's requirements covering applications in temperature range between -80°C and +600°C. Our product contains temperature sensors build using NTC/PTC thermistors, RTDs ,DS18B20 and other sensing elementsmounted into wide range of metal/plastic housings.

The main technical parameters:

1. The rated zero-power resistance value R25 refers to the zero-power resistance value of the thermistor measured at 25°C.
2. B value; defined as the ratio of the difference of the natural logarithm of the zero-power resistance value at two temperatures to the difference between the two temperatures.
3. Thermal time constant; under zero power conditions, when the temperature changes suddenly, the time required for the temperature of the thermistor body to change by 63.2% of the temperature difference between the beginning and the end.
4. Dissipation coefficient; at a specified ambient temperature, the ratio of the change in power dissipation of the thermistor to its corresponding temperature change.

Type	NTC(thermistor) Temperature Sensor
Temperature range	-50℃ ~ +300℃ Customized
Accurancy	1% 5% 10%
RT(25℃)	1K 2K 2.2k 2.7k 3K 5K 7K 8K 12K 15K 20K 25K 30K 40K 47K 50K 60K 70K 100K 200K 230K 250K 470K 500K 1000K Customized
B value	3274 3435 3470 3928 3950 3977 4100 4200 4400 Customized
Probe Material	Stainless steel SS304 aluminum copper plastic epoxy glass
Installation	Flanged Surface Threaded Plastic Straight Film Customized
Wire Material	Heat shrinkable tube PVC tube glass fiber tube tube
Connector	Molex JST DuPont CWB CJT U type Customized
Waterproof	IP67 IP68

NCT temperature sensor application range

◆Heating and heating air conditioners and related equipment
◆Household appliances of various sizes: air conditioners, refrigerators, battery stoves, bread ovens, baking ovens, electric ovens, microwave ovens, electric fans, soybean milk machines, electric water heaters, electric rice cookers, disinfection cabinets, water dispensers, heaters, electric irons, disinfection Cabinets, drinking fountains, lighting appliances, etc.
◆Temperature measurement and control circuits for agricultural, medical, environmental protection, meteorological, food processing and other equipment
◆Instrument coils, automotive circuits, integrated circuit modules, transistor amplifier circuits, temperature compensation circuits such as quartz crystal oscillators and thermocouples


Flanged ntc temp sensor

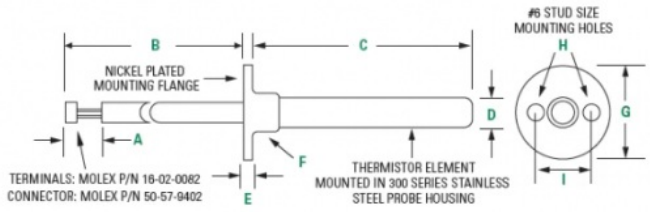

Surface ntc temp sensor


Threaded ntc temp sensor

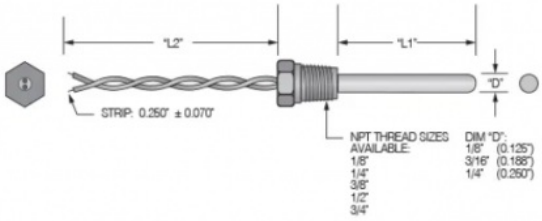
Working principle of temperature sensor

Using the NTC thermistor under a certain measurement power, the resistance value drops rapidly as the temperature rises. Utilizing this feature, the NTC thermistor can be used to determine the corresponding temperature by measuring its resistance value, so as to achieve the purpose of detecting and controlling the temperature.

Flanged Probes

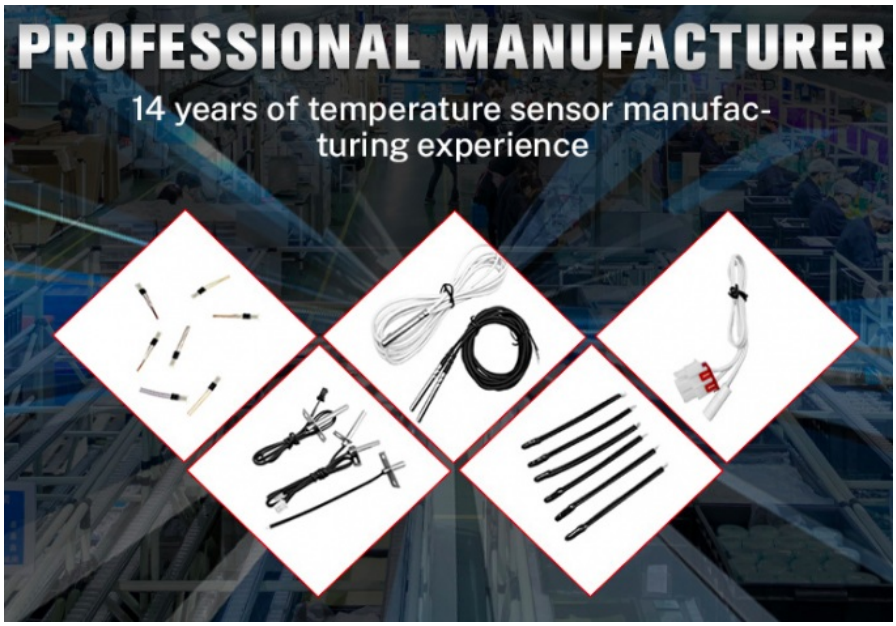


Threaded Probes

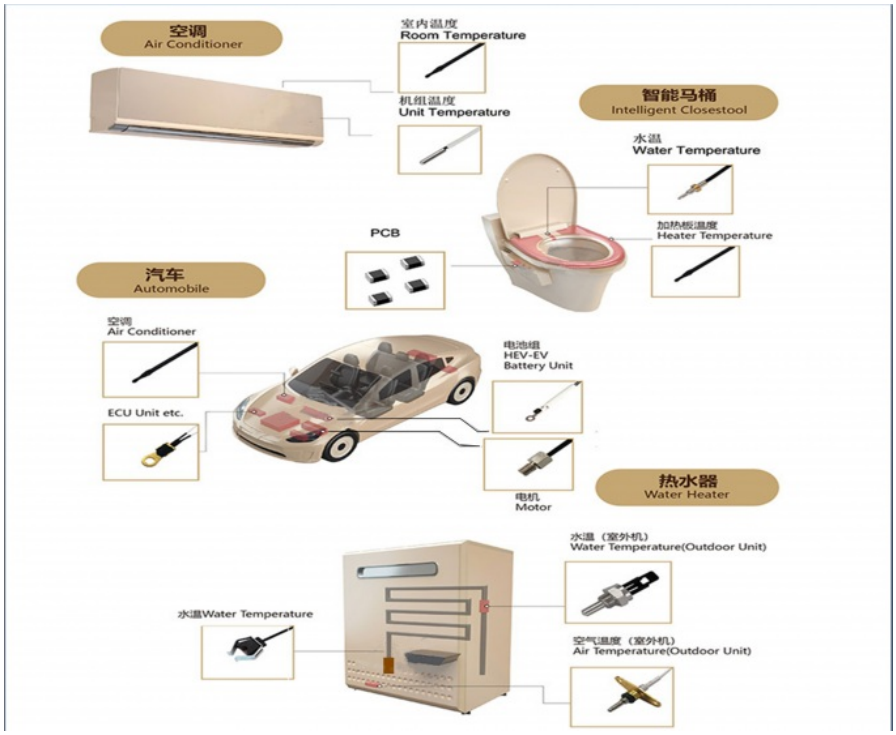


Conventional product electrical performance parameters

Part No.	R25℃ (KΩ)	B(K) 25/50℃	Rated Power @25℃(mW)	Dissipation Factor(δ) (mW/℃)	Thermal time Constant (S)
TS502□3274A	5.0	3274	10-20	2-4	5-20
TS502□3435B	5.0	3435	10-20	2-4	5-20
TS502□3470A	5.0	3470	10-20	2-4	5-20
TS502□3950A	5.0	3950	10-20	2-4	5-20
TS103□3274A	10.0	3274	10-20	2-4	5-20
TS103□3435B	10.0	3435	10-20	2-4	5-20
TS103□3470A	10.0	3470	10-20	2-4	5-20
TS103□3950A	10.0	3950	10-20	2-4	5-20
TS103□4100A	10.0	4100	10-20	2-4	5-20
TS153□3950A	15.0	3950	10-20	2-4	5-20
TS153□4100A	15.0	4100	10-20	2-4	5-20
TS203□3950A	20.0	3950	10-20	2-4	5-20
TS203□4100A	20.0	4100	10-20	2-4	5-20
TS223□4200A	22.0	4200	10-20	2-4	5-20
TS403□3928A	40.0	3928	10-20	2-4	5-20
TS503□3950A	50.0	3950	10-20	2-4	5-20
TS503□4100A	50.0	4100	10-20	2-4	5-20
TS104□3950A	100.0	3950	10-20	2-4	5-20
TS104□4100A	100.0	4100	10-20	2-4	5-20
TS104□4400A	100.0	4400	10-20	2-4	5-20



Application



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