



10K3950 Mono DC Audio Temperature Probe NTC Thermistor Sensor

Our Product Introduction

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Basic Information

- Place of Origin: Dongguan China
- Brand Name: linkun
- Certification: CE / ROHS / UL / TUV / SGS / CQC
- Model Number: Medical 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

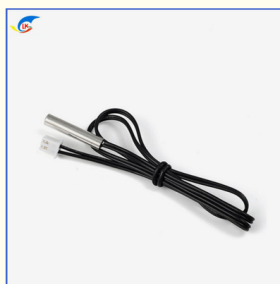
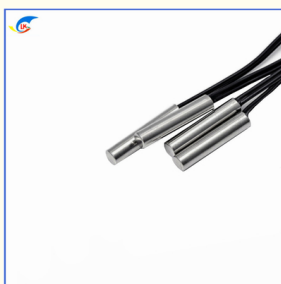


Product Specification

- Features: Using Double-Layer Sealing Technology
- Application: Medical Machine
- Keywords: Temperature Sensor
- Working Temperature Range(°C): -10 To +105c
- Resistance Value: 5K,10K,20K,50K,100K
- Dissipation Factor(mw/°C): 1-2 (in Still Air)
- Highlight: **TUV NTC Type Temperature Sensor, Double Layer NTC Type Temperature Sensor, Multiscene Medical Temperature Probe**



More Images



Product Description

High Precision And High Stability Tubular Sensor Medical Temperature Sensor Fast Response

NTC temperature sensor (temsensor) is the most common sensor in industrial production. It converts the temperature of the object into an electrical signal output. The NTC temperature sensor has the advantages of simple structure, wide measurement range, good stability and high precision. Different NTC temperature sensors are manufactured in different ways, and the common ones are thermistors, thermocouples and integrated products. Its development has generally gone through the stage from split type, analog integration to intelligent type.

NTC temperature sensor not only outputs temperature signal, but also integrates humidity measurement, and the signal output is also changed from the original single signal to a variety of output forms, which can carry out long-distance communication, data can be recorded according to needs, upper limit alarm and automatic control, etc. function.



Product drawings are for reference; can be customized according to required parameters, specifications, and length.
(Come with pictures and samples)

NTC thermistor temperature sensor characteristics:

1. High precision and high stability
2. Fast response
3. Excellent thermal shock resistance
4. Excellent moisture resistance
5. High-tech batch production ensures high quality and high stability of products.

Type	NTC(thermistor) Temperature Sensor
Temperature range	-50°C ~ +300°C Customized
Accuracy	1% 5% 10%
RT(25°C)	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

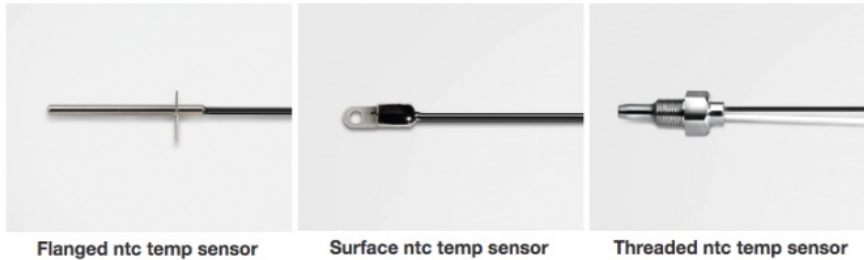
Main Technology Parameters

Part number	Rated resistance R25		B value (25/50)		Dissipation Coefficient. Mw/°C	Thermal time constant sec	Operating temperature °C
	Range KOhm	Tolerance %	(K)	Tolerance %			
CWF□□□ 3100	0.1~20	±1 ±2 ±3 ±5	3100	±1	≥2.2	≤70	-55~+125
CWF□□□ 3270	0.2~20		3270				
CWF□□□ 3380	0.5~50		3380				
CWF□□□ 3470	0.5~50		3470				
CWF□□□ 3600	1~100		3600				
CWF□□□ 3950	5~100		3950				
CWF□□□ 4000	5~100		4000				
CWF□□□ 4050	5~200		4050				

CWF□□□ 4150	10~250	41 50				
CWF□□□ 4300	20~1000	43 00				
CWF□□□ 4500	20~1000	45 00				

NCT temperature sensor application range

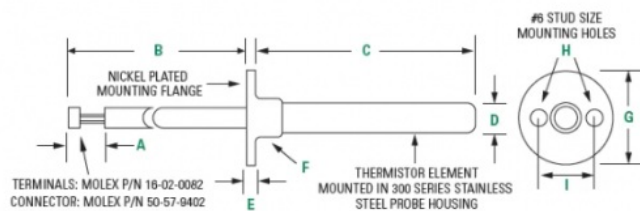
- ◆ Heating and heating air conditioners and related equipment
- ◆ Household appliances of various sizes: air conditioners, refrigerators, battery stoves, bread ovens, baking ovens, electric ovens, microwave ovens, electric fans, soybean milk machines, electric water heaters, electric rice cookers, disinfection 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



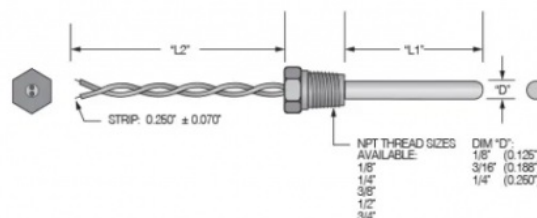
Working principle of temperature sensor

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.

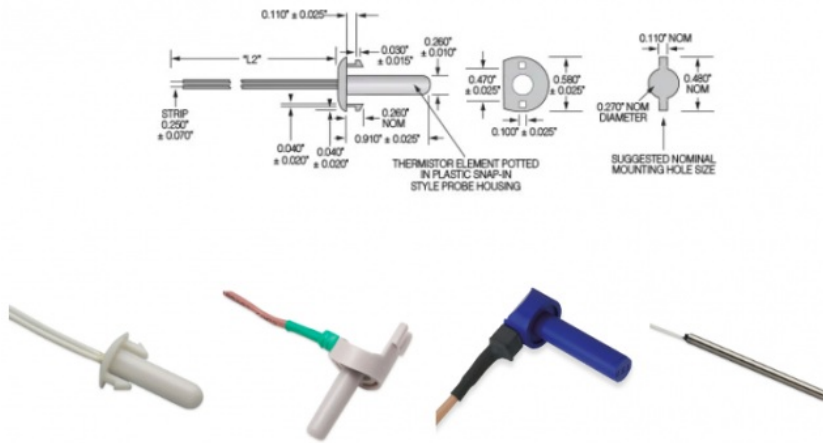
Flanged Probes



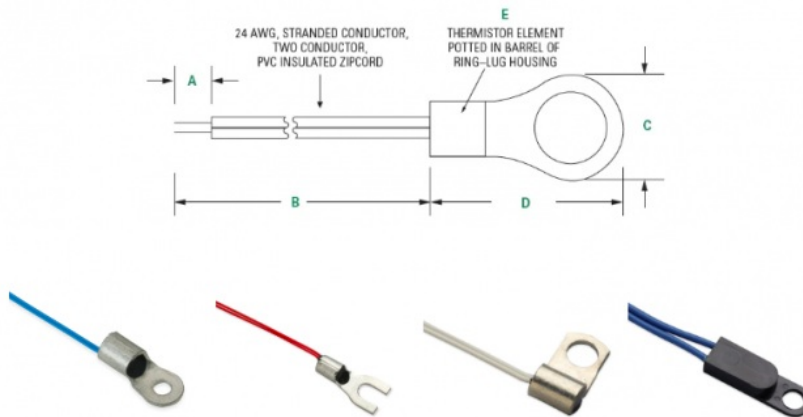
Threaded Probes



Special Probes: Customized according to purpose



Surface Probes

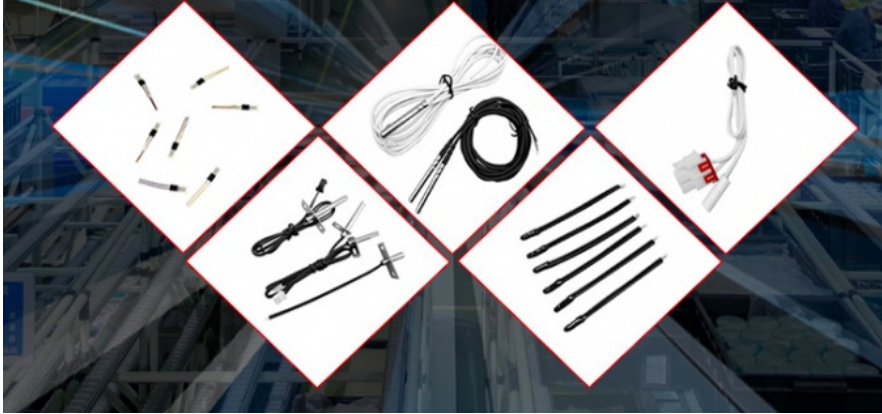


Conventional product electrical performance parameters

Part No.	R25°C (KΩ)	B(K) 25/50°C	Rated Power @25°C(mW)	Dissipation Factor(δ) (mW/°C)	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

PROFESSIONAL MANUFACTURER

14 years of temperature sensor manufacturing experience



Application



CERTIFICATES



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