



10K 100K Accuracy 1% Temperature Resistance 300°C Small Household Appliances NTC Thermal Sensor Stamping Tubular Temperat

Our Product Introduction

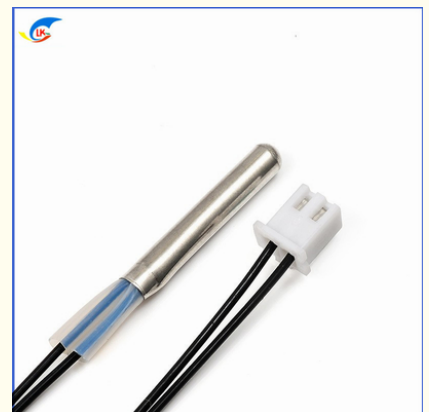
Basic Information

- 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: Excellent Thermal Shock Resistance
- 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: **Practical Medical Temperature Sensor, NTC Medical Temperature Sensor, Multipurpose NTC Temp Sensor**



More Images



Product Description

10K 100K Accuracy 1% Temperature resistance 300°C Small household appliances NTC thermal sensor Stamping tubular temperature probe

product information

Product type: High temperature stamping NTC temperature sensor

Product features: high temperature resistance, convenient installation, strong stability

Model usage: temperature measurement/temperature control/overheat protection

Operating temperature range: 0~+300°C

Thermal time constant: about 8S

Waterproof level: Not waterproof

Product qualification: Meet certification

Product application scope

Small household appliances, electric boilers, barbecue machines, dried fruit machines, etc.

Product customization instructions

(1) Resistance value of the product (nominal resistance value at 25°C, or others)

(2) Product accuracy (1%~5%)

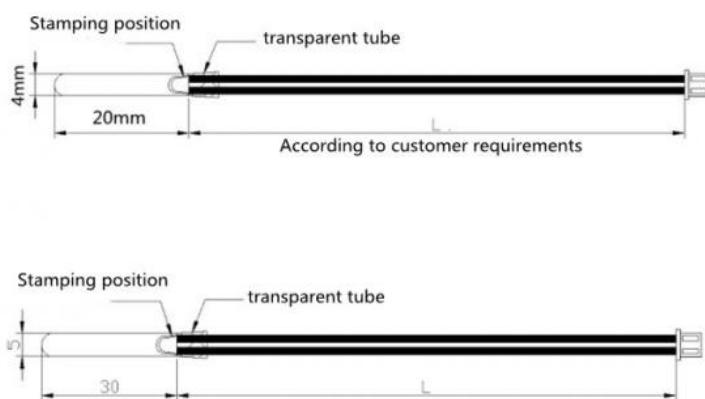
(3) B value coefficient of the product

(4) Wire model and length (color, length, temperature resistance requirements)

(5) Wire tail specifications (tin dipped, socket plug-in, special specifications)

(6) Probe specifications and materials (nickel-plated copper, red copper, stainless steel, ABS plastic shell)

(7) Use temperature range



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

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

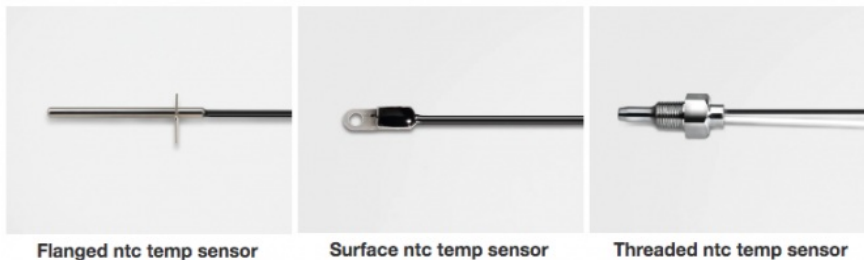
Main Technology Parameters

Part	Rated resistance R25	B value (25/50)	Dissipation Coefficient.	Thermal time constant	Operating temperature
------	-------------------------	--------------------	-----------------------------	--------------------------	--------------------------

number	Range KOhm	Toleranc e %	(K)	Toleranc e %	Mw/°C	sec	°C
CWF□□□ 3100	0.1~20	±1 ±2 ±3 ±5	31 00	±1	≥2.2	≤70	-55~+125
CWF□□□ 3270	0.2~20		32 70				
CWF□□□ 3380	0.5~50		33 80				
CWF□□□ 3470	0.5~50		34 70				
CWF□□□ 3600	1~100		36 00				
CWF□□□ 3950	5~100		39 50				
CWF□□□ 4000	5~100		40 00				
CWF□□□ 4050	5~200		40 50				
CWF□□□ 4150	10~250		41 50				
CWF□□□ 4300	20~1000		43 00				
CWF□□□ 4500	20~1000		45 00				

NCT temperature sensor application range

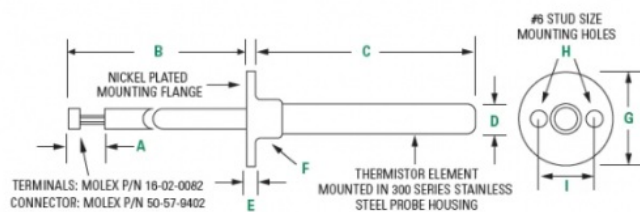
- ◆ Heating and heating air conditioners and related equipment
- ◆ Household appliances of various sizes: air conditioners, refrigerators, battery stoves, bread ovens, baking ovens, electric ovens, microwave ovens, electric fans, soybean milk machines, electric water heaters, electric rice cookers, disinfection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



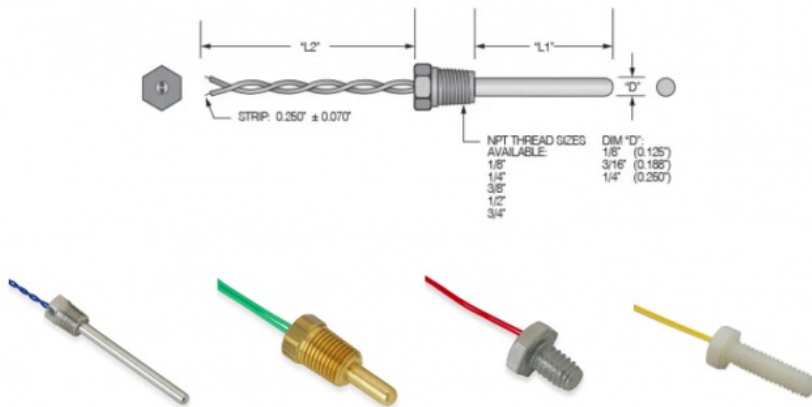
Working principle of temperature sensor

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.

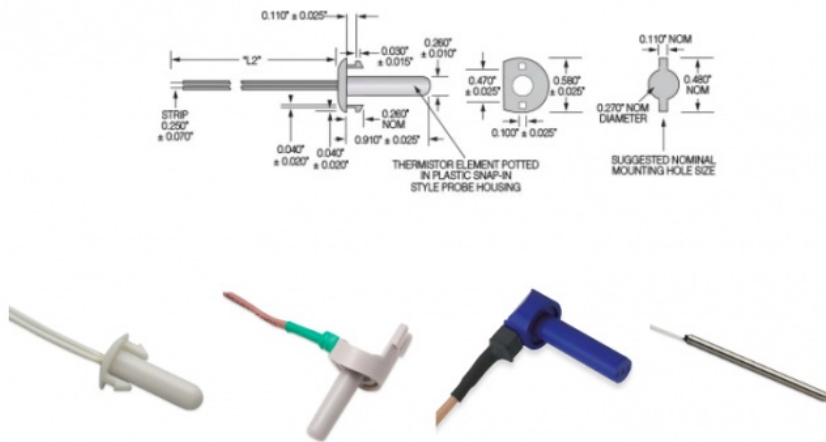
Flanged Probes



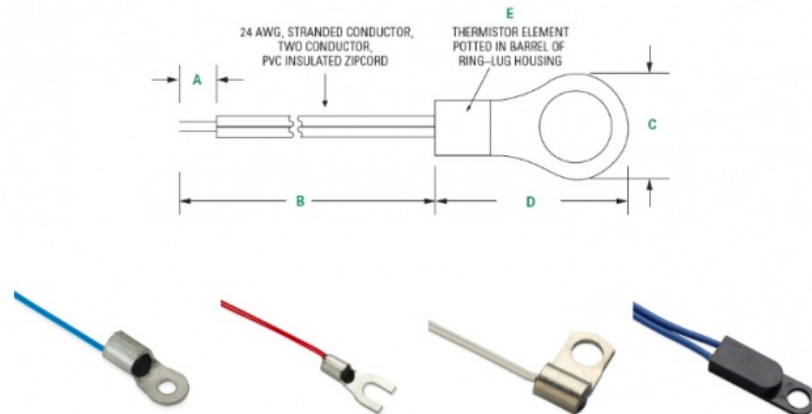
Threaded Probes



Special Probes: Customized according to purpose



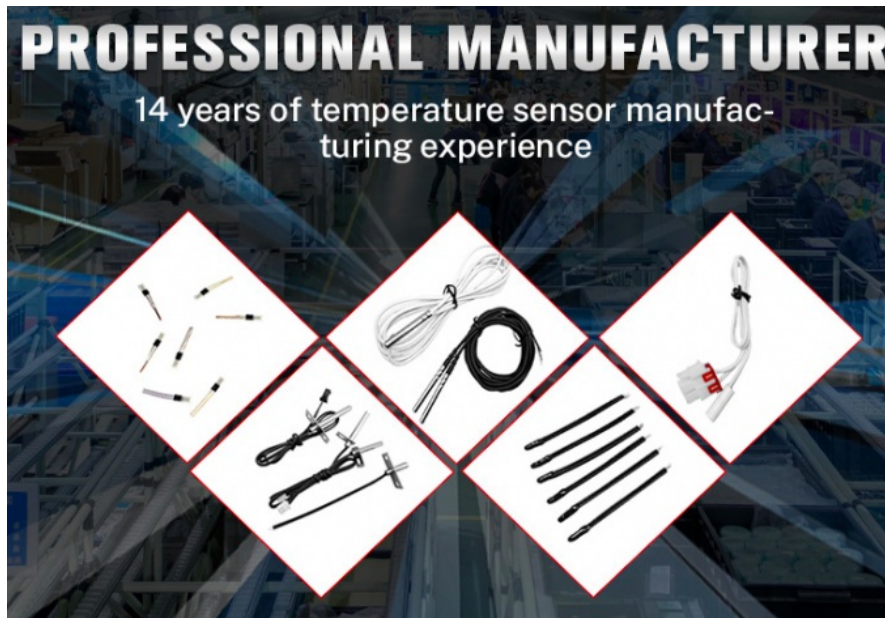
Surface Probes



Conventional product electrical performance parameters

Part No.	R25℃B(K) (KΩ)	25/50℃ B(K)	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



CERTIFICATES



We have the unique process and leader core technology with proprietary intellectual property rights of ceramic powder equipment, made of chips, high performance NTC Automatic batch production. We have more than 12 series of high performance NTC thermistors automatic production line, products have the advantages of large production, high quality, good coherence, high reliability, besides it can be made of many kinds of NTC temperature sensors, it also can be supplied to other factories of NTC sensors, and exported in large quantities to overseas.



Dongguan Linkun Electronic Technology Co., Ltd.



13423305709



huangju@lk-ptc.com



lk-thermistor.com

Room 101, No. 21, Huayuanzai Road, Chongmei, Chashan Town, Dongguan City, Guangdong Province