

PT100 /PT1000 Temperature Sensor

PT100 PT1000 Platinum Resistance Temperature Sensor High Temperature Resistant High Precision Thermocouple

Basic Information

- Place of Origin: Dongguan,Guangdong,China
- Brand Name: LINKUN

Negotiate

- Certification: UL CCC RoHS
- Model Number:
- Minimum Order Quantity:
- Price: \$1-5
- Packaging Details: Negotiate
- Delivery Time: 10-20 days



Product Specification

Product Number:	PT100/PT1000 Temperature Sensor
Line Length:	1 Meter (can Be Customized)
Package Size:	Φ5mm X30mm Stainless Steel (can Be Customized)
• Wire:	Three-core Silver-plated Shielded Wire (can Be Customized)
Thermometry Chip:	Heraeus, Germany
Temperature Measurement Accuracy :	A/B/2B (can Be Customized)
• Tail Terminal:	0305 Terminal (can Be Customized
• Output Type:	Analog
Highlight:	Platinum Resistance Temperature Sensor,



More Images



High Precision Resistance Temperature Sensor

Product Description

PT100 /PT1000 Platinum Resistance Temperature Sensor High Temperature Resistant High Precision Thermocouple

PT100 thermal resistance product description:

This product has an integrated structure and adopts imported double-groove rolling technology. It has better waterproof performance and achieves comprehensive waterproof and anti-corrosion functions. It can be used for a long time in harsh environments.

The thermal resistor shell is made of stainless steel 304 and 316L. The default size is 4mm diameter * 30mm length (if you want other sizes, please consult customer service). The temperature measurement range is -50-200°C (there is also a special temperature range optional -200-200°C, or (-50-500°C) The lead wire is a three-wire double-wrapped silver-plated shielded wire (anti-corrosion and oil-resistant). The outer layer of the thermal resistance wire is made of fluorine plastic, which is waterproof, oil-proof and generally corrosive. The middle layer of the line is a double-layer shielded wire, and then there is a silver-plated wire inside. The fluorine plastic raw materials are imported from the United States, and no recycled materials are used. The biggest advantage of the thermal resistor made with this kind of wire is that it can prevent interference and enhance the signal to the maximum extent.

PT100 thermal resistance uses platinum metal imported from Germany as the thermal element, which can convert temperature variables into standardized output signals that can be transmitted. It can be directly connected to computers, control instruments, display instruments, etc., and can carry out long-distance signal transmission.

The product is easy to install and can be used in underwater, open-air, underground detection, and other situations where anti-interference is required. It is widely used in high-precision temperature equipment such as medical, electrical, industrial, temperature calculation, and resistance calculation.

Three-wire PT100 thermal resistor wiring method:

3-wire pt100 generally has one red wire and two white wires. The red wire is A, the two white wires are both B, and the two B wires (white wires) are the same. You can connect them according to the marked A.B.B interface. PT100 is a variable resistor, and its resistance changes with temperature. When the temperature is 0 degrees, the resistance of the two wires AB (red and white) measured is 100 ohms. At 100 degrees, it is 138.5 ohms. There are two wires. The white wire is because one of the white wires is a compensation wire. You can also install two white wires on one interface and use it as two wires. The third wire is connected for anti-interference, which can reduce the error fed back to the controller. If it is a white wire, the two red wires are reversed, the white wire is A and the red wire is B.

Product Model				
Thermal resistance: Straight				
Compor	nent type		PT100/PT1000	
Accuracy			Class B	
Wire form			3 core wire	
Temperature measurement range			(-50°C 250°C)	
Material Protective tube			S304	
Silicone hose heat resistant temperature			150°C	
Wire (usable temperature range)			FE coated (-50°C 250°C)	



Select terminal

N (no crimp terminal) M (with round crimp terminal) Y (with B-type crimp terminal)

Product Features:

▲.The protective tube cannot be bent.

Features: The shape of the wire is pulled directly from the protective tube. Since there is no casing, the distance to the heating object and the installation space can be reduced.

Straight tube thermal resistance

Model	Probe specifications		Wire length	Grade	Terminal
	D(mm)	L(mm)	F(m)	Grade	remina
PT100/PT1000	4	30		Δ	N/M/Y
(Thermometer	5	30	0.5-10.0		N/M/Y
resistance)	5	40	0.5-10.0	в	N/M/Y
	6	50			N/M/Y

•*High temperature annealed stainless steel pipe



The probe shell is made of 304 and 316L materials, which are waterproof, anti-corrosion and oil-resistant. The diameter and length of the shell can be customized according to customer requirements. The default size is 30*4mm.

•*Original imported Heraeus chips



The component adopts imported original thin film platinum resistor, its resistance value will change with the change of temperature. These components have exceptionally small dimensions and very good long-term stability.

•*Select authentic 304 stainless steel high-density multi-strand core shielded network cable.



The precision wire is insulated by double layers of high-temperature refractory glass fiber (ordinary single layer), which effectively reduces the shunt effect and ensures the accuracy of long-distance measurements!

High-quality terminal blocks



The wires are led out of M4 U-shaped crimp terminals, which makes wiring faster and more convenient, not easy to fall off, and has more stable performance.

Temperature sensor customization is roughly divided into: resistance, packaging shell, wire parameters, wire end processing (tin dipping or connecting terminals)

1. Customized according to customer needs, common types are as follows

С				
at				
e	1	2	3	4
g		-	0	
or				
У				
R				
e.				
SI		DT100/DT1000		
SI	NTC thermistor	TC thermistor P1100/P11000 DS18B20 The		Thermocouple
n		platinum resistor		
e				
E				
n				
c				
a				
р				
s				
ul	Stainless steel (304,	Nickel plated copper	ABS shell	Injection molded shell
at	316)	shell		,
io				
n				
S				
n				
lei				
Щ				

W ir p ar a m et er s	Stainless steel mesh braided wire	Silicone wire/PVC wire	Fiberglass mica wire	wire	
T ai c n n e ct io n	2.5/3.5mm audio plug	Connectors (customized on demand)	Blade terminal	Bare wire dipped in tin	
2. C	The specific paramete	ers are as follows:			
at e g or y n a m e	Resistance parameters	Accuracy	Specifications and models	Temperature resistance range	
N T C th er m ist or (R)	5K,10K,50K,100K,	1%,2%,3%,5%	MF52,MF58	-30°C 300°C	
N T C th er m ist or (B)	3435,3470,3950,397 0,3977				
re at in u m re si st a n c e	PT100/PT1000	Class A, Class B		(-50°C 500°C)	
D S 1 8 2 0	DS18B20	±0.5%		(-50°C 125°C)	











Product Description: NTC Temperature Sensor Product Number: PT100/PT1000 Temperature Sensor

Product Description:

NTC Temperature Sensor

NTC Temperature Sensor is a highly reliable and accurate temperature sensing device that is designed to measure temperatures in a wide range of applications. With its advanced features and high-quality components, it is the perfect solution for all your temperature measurement needs.

Working Temperature

The NTC Temperature Sensor has a working temperature range of -50°C to 200°C, making it suitable for use in both extreme hot and cold environments. This wide temperature range ensures that the sensor can be used in a variety of industries and applications, providing accurate temperature readings in any condition. Temperature Measurement Accuracy

The NTC Temperature Sensor offers three different accuracy levels - A, B, and 2B, which can be customized according to your specific requirements. This allows for precise and reliable temperature measurements, ensuring that your processes and systems operate at optimal levels.

Thermometry Chip

The NTC Temperature Sensor uses a high-quality thermometry chip from Heraeus, Germany. This ensures that the sensor delivers accurate and consistent temperature readings, making it a reliable choice for all your temperature sensing needs. Wire

The NTC Temperature Sensor comes with a three-core silver-plated shielded wire, which can also be customized to meet your specific needs. This wire is designed to provide excellent signal transmission and is highly durable, making it suitable for use in various environments.

Tail Terminal

The NTC Temperature Sensor is equipped with a 0305 terminal, which can be customized as per your requirements. This terminal ensures easy and secure connection of the sensor to your system, making installation and maintenance hassle-free. In conclusion, the NTC Temperature Sensor is a top-of-the-line product that offers high accuracy, reliability, and customization options. With its advanced features and durable components, it is the perfect choice for a wide range of temperature measurement applications. Trust NTC Temperature Sensor to provide you with precise and consistent temperature readings for all your needs.

Features:

Product Name: NTC Temperature Sensor Line Length: 1 Meter (can Be Customized) Package Size: Ф4mm X30mm Stainless Steel (can Be Customized) Thermometry Chip: Heraeus, Germany Wire: Three-core Silver-plated Shielded Wire (can Be Customized) Output Type: Analog

Technical Parameters:

NTC Sensor

Product Number:	PT100/PT1000 Temperature Sensor
Working Temperature:	-50°C 200°C
Line Length:	1 Meter (can Be Customized)
Temperature Measurement Accuracy:	A/B/2B (can Be Customized)
Tail Terminal:	0305 Terminal (can Be Customized)
Wire:	Three-core Silver-plated Shielded Wire (can Be Customized)
Output Type:	Analog
Package Size:	Φ4mm X30mm Stainless Steel (can Be Customized)
Thermometry Chip:	Heraeus, Germany

Applications:

NTC Temperature Sensor - LINKUN

Brand Name: LINKUN

Model Number: PT100 Temperature Sensor

Place of Origin: Dongguan,Guangdong,China

Package Size: 04mm X30mm Stainless Steel (can Be Customized) Tail Terminal: 0305 Terminal (can Be Customized)

Temperature Measurement accuracy: A/B/2B (can Be Customized)

Output Type: Analog

Wire: Three-core Silver-plated Shielded Wire (can Be Customized) Product Description

Product Description

The NTC Temperature Sensor from LINKUN is a high-quality and reliable product designed for accurate temperature measurement. As a leading manufacturer of temperature sensors, LINKUN offers a wide range of NTC sensors to meet various industrial and commercial needs.

Application

The NTC Temperature Sensor is suitable for a wide range of applications, including:

Industrial processes: The NTC Sensor can be used to monitor and control temperature in various industrial processes, such as manufacturing, food processing, and chemical production.

HVAC systems: The NTC Sensor is ideal for temperature sensing in heating, ventilation, and air conditioning systems, ensuring optimal temperature control and energy efficiency.

Medical equipment: The high accuracy and precision of the NTC Sensor make it suitable for use in medical equipment, such as incubators, sterilizers, and blood storage units.

Automotive: The NTC Sensor can be used in automotive applications, such as engine temperature monitoring and climate control systems.

Consumer electronics: The NTC Sensor is commonly used in consumer electronics, such as refrigerators, ovens, and water heaters, to ensure safe and efficient operation.

Product Features

High Accuracy: The NTC Sensor offers temperature measurement accuracy of A/B/2B, which can be customized according to specific requirements.

Durable Construction: The sensor is housed in a stainless steel package with a diameter of Φ4mm and a length of 30mm, making it suitable for use in harsh environments.

Customizable Tail Terminal: The tail terminal of the sensor can be customized to meet the specific needs of different applications. Analog Output: The NTC Sensor provides accurate and reliable analog output for easy integration with various control systems. Flexible Wire Options: The sensor comes with a three-core silver-plated shielded wire, which can be customized to meet different length

and material requirements.

Why Choose LINKUN NTC Temperature Sensor?

LINKUN is a trusted brand in the temperature sensor industry, known for its high-quality products and excellent customer service. The NTC Temperature Sensor is a testament to LINKUN's commitment to providing reliable and accurate temperature measurement solutions. With customizable options, durable construction, and high accuracy, the NTC Sensor from LINKUN is the ideal choice for your temperature measurement needs.

Customization:

NTC Temperature Sensor Customized Service - LINKUN

Thank you for choosing LINKUN's PT100 Temperature Sensor for your temperature sensing needs. As a leading manufacturer of NTC Sensors, we are dedicated to providing the highest quality products with customized services to meet your specific requirements. Brand Name: LINKUN

Our brand, LINKUN, represents our commitment to excellence and innovation in the field of temperature sensing. Model Number: PT100 Temperature Sensor

The PT100 Temperature Sensor is one of our most popular models, known for its accuracy and reliability in measuring temperature. Place of Origin: Dongguan, Guangdong, China

All our products are proudly made in our state-of-the-art facility in Dongguan, Guangdong, China, using the latest technology and highest quality materials.

Product Number: PT100/PT1000 Temperature Sensor

We offer a variety of options to suit your needs, including the PT100 and PT1000 Temperature Sensor models. Working Temperature: -50°C 200°C

Our NTC Sensors are designed to operate in a wide range of temperatures, from -50°C to 200°C, ensuring accurate measurements in various environments.

Line Length: 1 Meter (can Be Customized)

We understand that every project is unique, which is why we offer customizable line lengths to fit your specific needs. Output Type: Analog

The PT100 Temperature Sensor outputs an analog signal, providing a stable and reliable reading of the temperature. Thermometry Chip: Heraeus, Germany

At LINKUN, we strive for the best quality in our products. That's why we use the thermometry chip from Heraeus, a leading German manufacturer known for their precision and accuracy.

Thank you for considering LINKUN for your NTC Temperature Sensor needs. Contact us today to learn more about our customized services and how we can help you with your temperature sensing requirements.

Packing and Shipping:

Packaging and Shipping

The NTC Temperature Sensor is carefully packaged and shipped to ensure its safety and integrity during transportation. Packaging:

The sensor is first placed in a protective anti-static bag to prevent any damage from electrostatic discharge.

The bag is then placed in a sturdy cardboard box with sufficient padding to prevent any movement during transit.

The box is sealed with tape and labeled with the product name, model number, and any necessary handling instructions. Shipping:

We offer various shipping options to meet your specific needs and budget. Our standard shipping method is through reputable carriers such as DHL, FedEx, and UPS.

For international shipments, all necessary customs and export documentation will be provided to ensure a smooth delivery process. Once your order is shipped, you will receive a tracking number so you can monitor the status of your package.

We take great care in packaging and shipping our products to ensure they arrive in perfect condition. However, if you encounter any issues with your order, please do not hesitate to contact us for assistance.

FAQ:

Q: What is the brand name of this product?

- A: The brand name of this product is LINKUN.
- Q: What is the model number of this product?
- A: The model number of this product is PT100 Temperature Sensor.
- Q: Where is this product manufactured?
- A: This product is manufactured in Dongguan, Guangdong, China.
- Q: What is the temperature range of this sensor?
- A: The temperature range of this sensor is -200°C to 600°C.
- Q: Can this sensor be used in harsh environments?
- A: Yes, this sensor is designed to be durable and can be used in harsh environments.

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