

Dongguan, Guangdong, China

## New Energy Vehicle Power Battery Module Temperature Sensor NTC Thermistor 10K Probe 3950

## **Basic Information**

- Place of Origin:
- Brand Name:
- Certification: UL CCC RoHS
- Model Number: Energy storage sensor

LINKUN

- Minimum Order Negotiate
  Quantity:
- Price: Negotiate
- Packaging Details: Negotiate
- Delivery Time: 10-20 days
- Payment Terms: T/T, Western Union,
- Supply Ability: 100,000 Opieces/month



### **Product Specification**

Highlight:	New Energy Vehicle NTC Thermistor, 10K Probe 3950 NTC Thermistor, 10K Probe NTC Thermistor
Connector:	PH-2Y
Sensor Type:	Thermistor
• Wire:	PVC,FEP,XLPE
Output Type:	Sensor
Storage Temperature  Range:	-40°C To 125°C
Product Length:	Reference Drawing



## More Images



**Our Product Introduction** 

## **Product Description**

## *New Energy Vehicle Power Battery Module Temperature Sensor NTC Thermistor 10K Probe 3950*

### **Product Description:**

Name: Temperature sensor



Resistance: R25°C=10KΩ, 100KΩ

B value: B25/85°C=3435K, B25/50°C=3950K, 4150K

Accuracy: 1%

Probe material: aluminum

Wire specifications: PVC, FEP, XLPE

Temperature measurement range: -40°C~125°C

Product withstand voltage: ≥1500V AC 3s (non-line standard voltage withstand value)

Optional length: 500mm

#### Main technical parameters of CWF thermistor series:

Model	Rated resistance value(R25)		B value	Work	Dissipatio	thermal
	Resistan ce(KΩ)	Allowable deviation( ± %)	nominal value (K)	temperat ure	coefficient (mW/°C)	constant (S)
CWF-102-3435	1		3435			
CWF-202-3435	2		3435			
CWF-2.252-3950	2.252		3950			
CWF-472-3950	4.7		3950			
CWF-502-3470	5		3470			
CWF-502-3950	5		3950			
CWF-682-3950	6.8		3950			
CWF-103-3435	10	]	3435			
	-	1				

CWF-103-3470	10		3470			
CWF-103-3600	10		3600			
CWF-103-3380	10		3380			
CWF-103-3977	10		3977			-6
CWF-103-4100	10	±1%	4100	-40°C	≥3.0 in still air	in still
CWF-153-3950	15	±2% ±3%	3950	+120°C		air
CWF-203-3950	20	±5%	3950			
CWF-233-3950	23		3950			
CWF-303-3950	30		3950			
CWF-333-3977	33		3977			
CWF-40.27-3950	40.27		3950			
CWF-473-4013	47		3950			
CWF-503-3977	50		3977			
CWF-503-3990	50		3990			
CWF-503-4050	50		4050			
CWF-104-3950	100		3950			
CWF-104-3990	100		3990			
CWF-104-4200	100		4200			
CWF-204-3892	200	1	3892	1		
CWF-204-3917	200	1	3917	1		

# Scope of application

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Electric power industry



Medical equipment



Food industry



Petrochemical industry



Sewage treatment



Industrial testing

The NTC Sensor comes equipped with a PH-2Y connector, which makes it easy to integrate into your electrical circuit. The PH-2Y connector ensures a secure and stable connection, making it easy to install and maintain. Additionally, the NTC Sensor has an operating

current of 1mA, which makes it energy-efficient and cost-effective.

The NTC Sensor has a spectrum peaknm of 560, which means it detects temperature changes within this range. This makes it an ideal sensor for applications that require precise temperature measurements within this range. Whether you're monitoring the temperature of a chemical reaction or measuring the temperature of a motor, the NTC Sensor can help ensure accuracy and reliability.

The NTC Sensor has a storage temperature range of -55°C to 150°C. This means that it can withstand extreme temperatures, making it ideal for use in harsh environments. Whether you're monitoring the temperature in a freezer or tracking the temperature in a furnace, the NTC Sensor can handle the job.

The NTC Sensor has a dark resistance of  $2-3M\Omega$ , which means that it can detect temperature changes even in low-light conditions. This makes it an ideal sensor for applications that require temperature measurements in low-light or dark environments.

In summary, the NTC Sensor is a reliable and accurate way to measure temperature in various industrial and electrical applications. With its PH-2Y connector, operating current of 1mA, spectrum peaknm of 560, storage temperature range of  $-55^{\circ}$ C to  $150^{\circ}$ C, and dark resistance of 2-3M $\Omega$ , the NTC Sensor is an ideal choice for anyone in need of precise and reliable temperature measurements.

### Features:

Product Name: NTC Temperature Sensor Max Power Consumption: 100nmw Power: +3.0V -5.5V Storage Temperature Range: -55°C To 150°C Connector: PH-2Y Measuring The Dielectric: Temperature

### **Technical Parameters:**

NTC Sensor	
Operating Voltage	3.3V To 5V
Terminals	Brass Tin Plated
Cable	XLPE Black Cable
Spectrum Peaknm	560
Way To Install	Inserting
Operating Current	1mA
Dark Resistance	2-3ΜΩ
B Tolerance	1%, 2%,3%,5%
Storage Temperature Range	-55°C To 150°C
Power	+3.0V -5.5V

### **Applications:**

The PT100 Temperature Sensor can be used in many different application occasions and scenarios, such as:

Industrial Processes: The PT100 Temperature Sensor can measure the temperature of various industrial processes, such as chemical reactions, food processing, and heat treatment. This ensures that the processes are running at the desired temperature, which helps to improve the quality of the products.

**Environmental Monitoring:** The PT100 Temperature Sensor can be used to monitor the temperature of the environment, such as in greenhouses, warehouses, and data centers. This helps to maintain the appropriate temperature range, which is essential for the growth of plants, storage of goods, and operation of electronic equipment.

**Medical Equipment:** The PT100 Temperature Sensor can be used in various medical equipment, such as incubators, refrigerators, and sterilizers. This ensures that the equipment is operating at the right temperature, which helps to protect the patients and maintain the effectiveness of the treatment.

Automotive Industry: The PT100 Temperature Sensor can be used in the automotive industry, such as engine temperature measurement, HVAC systems, and battery management. This helps to optimize the performance of the vehicles and improve the driving experience.

The PT100 Temperature Sensor is manufactured in Dongguan, Guangdong, China, and is made with high-quality materials. The terminals are made of brass tin plated, which ensures good conductivity and durability. The power range is between +3.0V to -5.5V, which makes it compatible with various electronic devices. The B tolerance is available in 1%, 2%, 3%, and 5%, which provides flexibility in temperature measurement. The cable is XLPE black cable, which is resistant to high temperature and abrasion. The PT100 Temperature Sensor measures the dielectric, which is the temperature of the material being measured.

### **Customization:**

Brand Name: LINKUN Model Number: PT100 Temperature Sensor Place of Origin: Dongguan, Guangdong, China Cable: XLPE Black Cable Storage Temperature Range: -55°C To 150°C Terminals: Brass Tin Plated Way To Install: Inserting Assembly: Insert Hole Or Lock NTC Sensor, NTC Sensor, NTC Sensor

### Support and Services:

The NTC Temperature Sensor product technical support and services include:

Assistance with installation, configuration, and calibration of the sensor

Troubleshooting guidance for any issues or errors encountered with the sensor

Repair and replacement services for any defective or damaged sensors

Regular maintenance and calibration services to ensure accurate and reliable temperature measurements

Access to user manuals, datasheets, and other technical documentation for the sensor

Consultation with technical experts to assist with customized solutions or special applications

## Packing and Shipping:

Product Packaging:

The NTC Temperature Sensor will be packed in a sturdy cardboard box with protective foam padding to ensure safe delivery. The sensor will be placed in a plastic bag to prevent any scratches or damages during shipping. Shipping:

We offer free standard shipping for the NTC Temperature Sensor product within the United States. The product will be shipped via USPS or FedEx within 2 business days of placing the order. Customers can also select expedited shipping for an additional fee.

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