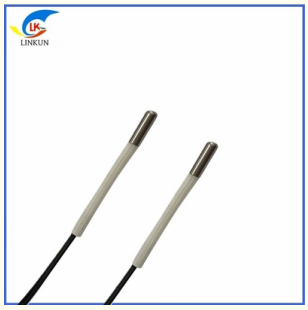
New Energy Vehicle Air Conditioning Temperature Sensor Charging Station/Pile PT1000 Temperature Probe

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LINKUN
- Certification: RoHS UL
- Model Number: Temperature Sensor
- Minimum Order Quantity: 50PCS
- Price: US $0.2 ~ 0.6 PCS
- Packaging Details: 1000PCS/Bag
- Delivery Time: 5-7 days
- Supply Ability: 100,000 pieces/month



Product Specification

- Model: PT1000
- Series: Platinum Resistor
- Temperature Range: -30°C+500°C
- Accuracy: ±1%
- Operating Temperature: 200 (℃)
- Direct-insert Type: Installation Type
- Customized: Package/housing
- Material: 26# Teflon Wire
- Application Area: Automotive Electronics
- Applicable Products: New Energy Charging Gun
- Highlight: **Pile PT1000 Temperature Probe**, **Charging Station PT1000 Temperature Probe**, **New Energy Vehicle PT1000 Temperature Probe**

More Images





Our Product Introduction

Product Description

Working Principle Of The In-car Temperature Sensor
The working principle of the outside temperature sensor is the same as that of the inside temperature sensor. Sensors outside the car are generally installed in the front bumper or before the radiator, and are easily affected by the environment, so they are wrapped in an injection-molded resin case to avoid responding to sudden changes in temperature. This will enable it to accurately detect the average temperature outside the car. In addition, some models have anti-fake input circuits inside the air-conditioning computer
Input element of automatic air conditioner
①The temperature sensor inside and outside the car: It is a negative temperature coefficient thermistor sensor, used to sense the temperature inside and outside the car. When the temperature changes, the resistance changes, and the temperature signal is sent to the air-conditioning electronic control unit ECU.
②Evaporator temperature sensor: It detects the temperature of the air passing through the evaporator or the temperature change on the surface of the evaporator, and controls the coupling or disconnection of the electromagnetic clutch of the compressor. The signal is sent to the electronic control unit (ECU) to control the fan speed at low temperatures.
Features Of The In-car Temperature Sensor
Application description Measure the temperature change of the air conditioner;
[Assembly method] The wiring harness is tied and fixed.
● The temperature control response speed is fast.
● Good moisture and water resistance.
● The assembly method is simple and firm.
ABOUT THE CUSTOM
Temperature sensor customization can be roughly divided into: resistance, processing **(tinning or connector connection)**
1. Customized according to customer needs, common types refer to the following composition categories

Composition category	1	2	3	4
Resistor	NTC thermistor	PT1000/PT100 platinum resistor	DS18B20	Thermocouple
Package shell Stainless	steel shell (304, 316)	Nickel-plated copper shell	ABS shell	Injection molded shell
Wire parameters	Stainless steel mesh braided wire	Silicone wire/PVC wire	Glass fiber mica wire	Teflon wire
Tail connection	2.5/3. 5mm headphone audio plug	Connector (customized on demand)	Plug terminal	Bare wire tinning

2. Specific parameters are as follows

Type name	Resistance parameters	Accuracy	Specification model	Temperature range
NTC thermistor (R value)	5k, 10K, 50K, 100K	1%, 2%, 3%, 5%	MF52, MF58	-30°C~300°C
NTC thermistor (B value)	3435, 3470, 3950, 3970, 3977			
Platinum resistor	PT100/PT1000	Grade A, Grade B	/	-50°C~500°C
DS18B20	DS18B20	±0.5%	/	-50°C~125°C
Thermocouple	K type	Grade 1, Grade 2	/	-50°C~60o°C
Wire	/	/	AWG18/20/22/24/26/28	105°C-500°C

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