High Temperature S/B/R Type Thermocouple Platinum Rhodium Thermocouple Sensor

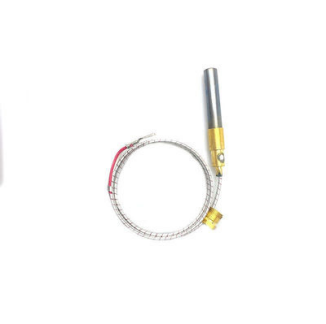
Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: K,N,E,J,T,B,R,S Types
- Minimum Order Quantity: 10 pieces
- Price: Negotiable
- Packaging Details: Plastic film or waterproof woven bag inside, wire packed in spool put into carton,coil wire or strip wire put into wooden case
- Delivery Time: 7 to 20 Days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 30000 pieces per month

Product Specification

- Certifications: CE, RoHS, ATEX
- Protection Class: IP65 Or IP67
- Response Time: Less Than 1 Second
- Positive: Ni-Cr
- Power Supply: 9-30V DC
- Operating Temperature: -40 To 125°C
- Conductor: NICr,NiSi,Copper,Iron,Konstantant
- Probe Diameter: 1.5mm, 3mm, 6mm, 8mm
- Highlight: **R Type Thermocouple Platinum Rhodium**, **Thermocouple Platinum Rhodium Thermocouple Sensor**, **S Type Rhodium Thermocouple Sensor**



More Images

Our Product I

Product Description

Product Description:

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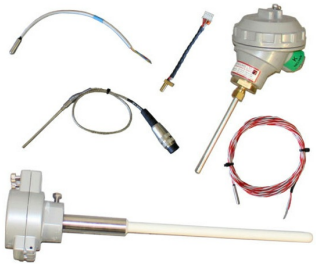
Thermocouple Sensors - Product Overview

Thermocouple sensors are highly accurate and fast-responding temperature sensors that are widely used in various industrial and scientific applications. Among the different types of thermocouples, the S Type thermocouple stands out for its excellent performance and versatility. Our Thermocouple Sensors are specifically designed with the S Type thermocouple to provide the most reliable and accurate temperature measurements in a wide temperature range.



Product Attributes

Negative: Ni-Si/Ni-Al - Our Thermocouple Sensors feature a negative component made of nickel-silicon (Ni-Si) and nickel-aluminum (Ni-Al). These materials are known for their high thermal conductivity, making them perfect for precise temperature measurements.

Operating Temperature: -40 To 125°C - Our Thermocouple Sensors can operate in a wide temperature range, from -40°C to 125°C. This makes them suitable for use in both low and high-temperature environments.

Accuracy: ±0.5°C - With a high accuracy of ±0.5°C, our Thermocouple Sensors provide reliable and precise temperature readings, making them ideal for critical applications where temperature control is crucial.

Positive: Ni-Cr - The positive component of our Thermocouple Sensors is made of nickel-chromium (Ni-Cr), a highly conductive material that ensures fast response and accurate temperature measurements.

Response Time: Less Than 1 Second - Our Thermocouple Sensors have a response time of less than 1 second, allowing for fast and real-time temperature monitoring.

Key Features

S Type Thermocouple - Our Thermocouple Sensors are equipped with the popular and reliable S Type thermocouple, which is widely used in various industrial and scientific applications.

Temperature Sensor - Our Thermocouple Sensors are designed specifically for temperature sensing and provide accurate and reliable temperature readings.

High Accuracy - With a high accuracy of ±0.5°C, our Thermocouple Sensors ensure precision and reliability in temperature measurements.

Fast Response - Our Thermocouple Sensors have a response time of less than 1 second, making them ideal for real-time temperature monitoring.

Wide Temperature Range - Our Thermocouple Sensors can operate in a wide temperature range, making them suitable for use in various environments and applications.

Choose our Thermocouple Sensors for high accuracy, fast response, and reliable temperature measurements in a wide temperature range. Contact us today to learn more about our products and how they can benefit your business.

Features:

Product Name: Thermocouple Sensors
Protection Class: IP65 Or IP67
Housing Material: Aluminum Or Stainless Steel
Positive: Ni-Cr
Accuracy: ±0.5°C
Power Supply: 9-30V DC
Temperature meter sensor
rtd sensor
Thermocouple Connection Head
Industrial Grade
High Accuracy

Technical Parameters:

Product Name	Thermocouple Sensors
Accuracy	±0.5°C
Power Supply	9-30V DC
Positive	Ni-Cr
Connection Type	Miniature Or Standard Connector
Certifications	CE, RoHS, ATEX
Housing Material	Aluminum Or Stainless Steel
Operating Temperature	-40 To 125°C
Probe Length	100mm, 150mm, 200mm, 300mm
Measurement Range	-200 To 1768°C
Protection Class	IP65 Or IP67
Key Features	High accuracy of ±0.5°C Wide power supply range of 9-30V DC Positive electrode made of Ni-Cr for reliable performance Available in miniature or standard connector options for easy installation Compliant with CE, RoHS, and ATEX certifications for safety and quality assurance Durable housing material options of aluminum or stainless steel Suitable for operating temperatures ranging from -40 to 125°C Available in probe lengths of 100mm, 150mm, 200mm, and 300mm for various applications Wide measurement range of -200 to 1768°C High protection class of IP65 or IP67 for use in harsh environments Compatible with rtd sensors and S Type Thermocouple for versatile use

Type	Code	Temp. Graduation	Long Term Use Temp.	Short Term Use Temp.
NiCrSi-NiSi	WRM	N	0-1000 °C	0-1100 °C
NiCr-NiSi	WRN	K	0-900 °C	0-1000 °C

NiCr-CuNi	WRE	E	0-600 °C	0-700 °C
Fe-CuNi	WRF	J	0-500 °C	0-600 °C
Cu-CuNi	WRC	T	0-300 °C	0-400 °C

Contact us
email:victory@dlx-alloy.com
Oem service:
Welcome customized size
We are experience factory for OEM&ODM service

FAQ:

What is a thermocouple sensor?
A thermocouple sensor is a temperature measurement device that uses the difference in thermoelectric potential between two different metals to measure changes in temperature.

How does a thermocouple sensor work?
Thermocouple sensors use the thermoelectric effect. When two different metals are connected to form a loop, when one end of the loop is heated, a thermoelectric potential difference will be generated. This thermoelectric potential difference is used to measure temperature.

What applications are thermocouple sensors suitable for?
Thermocouple sensors are widely used in industrial automation, laboratory testing, gas detection, automotive industry, heat treatment process control and other fields.

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