

AUTOMOTIVE TEMPERATURE SENSORS

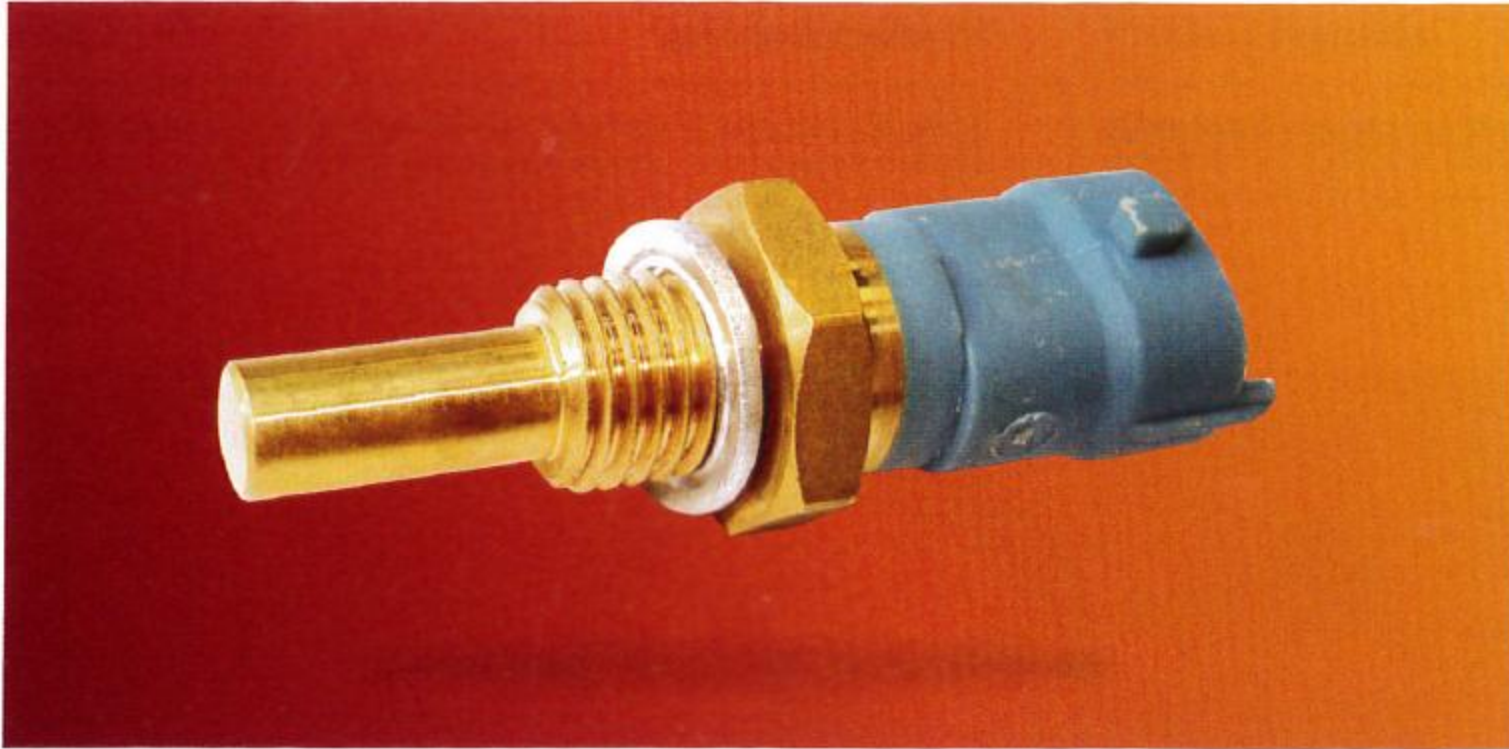
汽车用温度传感器



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AUTOMOTIVE TEMPERATURE SENSOR

汽车用温度传感器



概述

- 1、本系列产品主要为NTC热敏电阻温度传感器。
- 2、产品性能稳定、可长期工作。
- 3、电阻值和B值精度高、一致性好、可互换（电阻值和B值精度分别可达 $\pm 1\%$ ）。
- 4、灵敏度高、反应速度快，电阻温度系数可达 $-(2\sim 5)\%/^{\circ}\text{C}$ 。
- 5、具有良好的绝缘密封和抗机械碰撞、抗折弯能力、可靠性高。
- 6、可根据使用的安装条件封装、便于用户安装。
- 7、测温精度高。

Overview

- 1、 This series of products are mainly for the NTC thermistor temperature sensor.
- 2、 Long time stability.
- 3、 High precision resistance and B value, good consistency ,interchangeable.(Resistance and B value tolerance can be $\pm 1\%$).
- 4、 High sensitivity, fast response ,resistance temperature coefficient can be $-(2\sim 5)\%/^{\circ}\text{C}$.
- 5、 Good insulation, anti mechanical collision, anti bending ,high reliability.
- 6、 Can be encapsulated upon specific installation condition ,convenient for installation.
- 7、 High temperature measurement precision.

应用范围

本系列产品主要用于汽车（油温、燃料、水温）汽车后视镜、汽车电池、空调等温度测量及控制。

Range of application

This series products are mainly used in automobile, oil temperature, fuel, water temperature) auto rearview mirror, car batteries, such as air conditioning temperature measurement and control.

AUTO(OIL,TUEL, WATER TEMPERATURE)SENSOR

汽车(油、燃料、水)温度测量用 温度传感器

产品功能

精确测量油、燃料、水的温度，给汽车控温单元提供准确信号。

Product features

Accurate measurement of oil, fuel, water temperature to provide accurate signal to the automotive temperature control unit.



工作参数

- 使用温度范围：-30°C ~ +130°C
- 电气性能：R20=2.50KΩ, R25=2.057KΩ, R100=0.186KΩ B25/100=3560K
- 耐电压：AC1500V, 60Sec
- 绝缘：DC500V Min.100MΩ,60Sec
- 响应时间90%：τ≤10Sec
- 扳手大小19mm,紧固扭矩最小25Nm;总重约42g

Working parameters

- Working temperature range : -30°C~+130°C
- Electrical performance : R20=2.50KΩ, R25=2.057KΩ, R100=0.186KΩ B25/100=3560K
- Voltage Withstanding AC1500V,60Sec
- Insulation : DC500V Min.100MΩ,60Sec
- 90% Response time 90 % : τ≤10Sec
- Wrench size 19mm,tightening torques minimum 25Nm; The total weight of product about 42g

产品特点

产品安装使用方便,抗寒、抗热性能优良,可长期负荷正常工作，产品性能稳定、可长期工作。

Product features

Product easy for installation ,cold resist, thermal performance, can work under loading.

AUTO REARVIEW MIRROR TEMPERATURE SENSOR

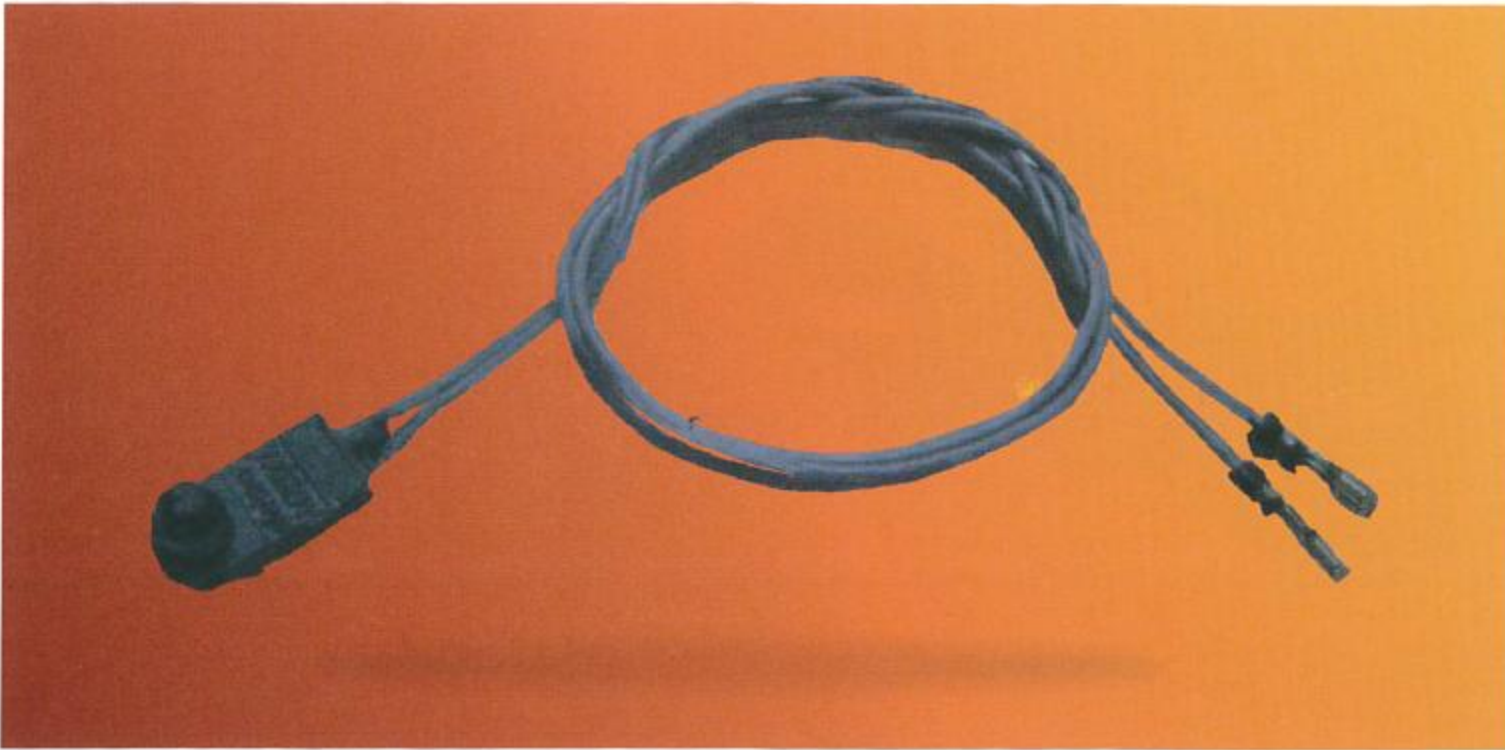
汽车后视镜用 温度传感器

产品功能

测量外界与后视镜表面温度差，给后视镜控温单元提供加热信号，进而达到除霜等效果。

Product features

Measuring the rearview mirror surface and the outside temperature difference, provides the heating signal to rearview mirror temperature control unit and then achieves defrosting effect.



工作参数

- 使用温度范围：-40°C ~ +105°C
- 耐电压：AC2500V · 3Sec
- 绝缘：DC500V Min.100MΩ,3Sec
- 热反应时间： $\tau(63.2\%) \leq 20\text{Sec}$

Working parameters

- Working temperature range: -40°C ~ +105°C
- Voltage Withstanding: AC2500V,3Sec
- Insulation: DC500V Min.100MΩ,3Sec
- Thermal Time Constant: $\tau(63.2\%) \leq 20\text{Sec}$

产品特点

产品安装使用方便,抗寒、抗热性能优良,可长期负荷正常工作。

依客户实际需求,可以做出不同电性能之产品。

线材规格及长度可依客户要求定制。

感温外壳尺寸可依客户实际需求评估制作。

Product features

Product easy for installation ,cold resist ,thermal performance, can work under loading.
According to the customer demand, can make different product with different characteristic.
Cable length can be made per customer requirement.
Temperature housing size can be designed per customer actual requirement.

AUTO AIR CONDITION TEMPERATURE SENSOR

汽车空调用 温度传感器

产品功能

通过测量汽车内部与外部的温度差，提供空调压缩机温度信号，达到控制车内温度的效果。

Product features

By measuring the car inside and outside temperature difference, providing air condition compressor temperature signal to achieve the effect of temperature control of the car.



工作参数

- 使用温度范围：-30°C ~ +105°C / -30°C ~ +125°C / -30°C ~ +150°C
- 电气性能：R20=2.50KΩ, R25=2.057KΩ, R100=0.186KΩ B25/100=3560K
- 耐电压：AC1000V~AC2000V, 3Sec
- 绝缘：DC500V Min.100MΩ,3Sec
- 热反应时间：τ(63.2%)≤25Sec

Working parameters

- Working temperature range：-30°C ~ +105°C / -30°C ~ +125°C / -30°C ~ +150°C
- Electrical performance：R20=2.50KΩ, R25=2.057KΩ, R100=0.186KΩ B25/100=3560K
- Voltage Withstanding：AC1000V ~ AC2000V, 3Sec
- Insulation：DC500V Min.100MΩ,3Sec
- Thermal Time Constant：τ(63.2%)≤25Sec

产品特点

线长规格及长度可依客户要求定制，长度需≥40mm
依客户要求可于线材上装配绝缘套管。

Product features

Wire length can be designed like customer's requirement Length should be ≥40mm.
According to the customer request to the assembly wire electrical insulators.

AUTO BATTERY TEMPERATURE SENSOR

汽车电池组用 温度传感器

产品功能

汽车电池组充电过温保护，防止电池组过充导致电池炸裂。

Product features

Over temperature protection for automotive battery, prevent the battery overcharge causing burst.



工作参数

- 使用温度范围：-30°C ~ +105°C / -30°C ~ +125°C / -30°C ~ +150°C / -30°C ~ +200°C
- 电气性能：R25=10KΩ、R25=50KΩ，R25=100KΩ等；
可依客户要求定制
- 耐电压：AC1000V~AC2000V，3Sec
- 绝缘：DC500V Min.100MΩ,3Sec
- 热反应时间： $\tau(63.2\%) \leq 25\text{Sec}$

Working parameters

- Working temperature range：-30°C ~ +105°C / -30°C ~ +125°C / -30°C ~ +150°C / -30°C ~ +200°C
- Electrical performance：R25=10KΩ、R25=50KΩ，R25=100KΩ
- Voltage Withstanding：AC1000V ~ AC2000V，3Sec
- Insulation：DC500V Min.100MΩ,3Sec
- Thermal Time Constant： $\tau(63.2\%) \leq 25\text{Sec}$

产品特点

线长规格及长度可依客户要求定制，长度需 $\geq 40\text{mm}$ 。
依客户要求可于线材上装配绝缘套管。

Product features

Wire length can be designed like customer's requirement Length should be $\geq 40\text{mm}$.
According to the customer request to the assembly wire electrical insulators.