SENSOR_CNSE Series

Epoxy encapsulation structure

◆ Product Introduction

The thermistor sensor with epoxy resin encapsulation at the head is an electronic measuring component that integrates temperature sensing and reliable protection. The core of this sensor is the thermistor chip, which is extremely sensitive to temperature changes and can efficiently convert temperature signals into resistance value signals.

As the encapsulation material for the head, epoxy resin has many excellent properties.

It is hard in texture and has good toughness, which can provide solid physical protection for the thermistor chip, effectively resist external mechanical impacts, vibrations, and abrasions, and ensure the stability and reliability of the chip in complex environments.

At the same time, epoxy resin has excellent electrical insulation properties, which can prevent electrical short circuits between the chip and the outside world and ensure the normal operation of the sensor.

In addition, epoxy resin also has good chemical stability, can withstand the erosion of various chemical substances, and adapt to different working environments.

◆ Features

1.The temperature measurement accuracy can reach ±0.1℃, meeting the requirements of high-precision applications.

2.It supports a temperature measurement range from -40℃ to +150℃.

3.The model with double epoxy resin encapsulation has better moisture resistance.

4.The thermistor has the characteristic of rapid response and can reflect temperature changes in real time.

◆ Applications

1.New energy vehicles.

2.AI servers, server power supplies, and robots.

3.Air conditioning systems, refrigeration systems.

4.Interior temperature sensing of vehicles.

5.Air temperature measurement of fans.

6.Ambient temperature or indoor temperature measurement.

◆ Coding Principle

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Product Type			Series		Resistance Value			Resistance Value Precision	B-Value		Product Drawing Number				Category		Wire Length Recognition