

PT1000 Temperature Sensor

Product description

The lead-type temperature sensor uses the characteristic that the resistance of a platinum resistor changes with temperature and has a certain functional relationship to measure the temperature of the medium being measured. The lead-type temperature sensor uses a 304 stainless steel probe, which is resistant to high temperatures and corrosion. Double pressure ring technology, better waterproof. Standard U-shaped terminal, more stable connection. It has the characteristics of small size and fast thermal response; the conductor adopts special PTFE silver-plated shielded conductor, which has a wide operating temperature range and more stable anti-interference effect.

PT1000 Temperature sensors are commonly used in automated temperature measurement and control systems such as liquid detection, food monitoring, storage cold chain, industrial boilers, aquaculture solutions to directly measure liquid and gas media as well as solid surfaces in the range of -50 - 300°C.



Performance parameters

Measuring Element	RTD platinum resistance Pt1000
Measuring Medium	Solid, liquid or gas (compatible with contact material)
Range	-50 to 300 °C (Other range customization contact sensecap@seeed.cc , MOQ 300pcs)
Accuracy	Class B+ (@typical $\pm 0.5^{\circ}\text{C}$)
Wire Material	PTFE silver-plated wire (3-wire)
Probe Enclosure	304 stainless steel
Operating Temperature	-50 to 200°C (Cable); -50 to 300°C (Probe)
IP Rating	IP68
Probe Length	4 * 30mm
Cable Length	3 meters

Features

- High-performance: anti-interference and long-term stability
- Easy to install: Small size, light weight, easy to install
- Fast response: Sensitive to temperature changes and responds quickly
- Wide temperature range: A wide range of -50 to 300°C