

Features

- Long-term stable work
- Fast response
- With the movable connector and easy to install
- IP67
- Integrated structure

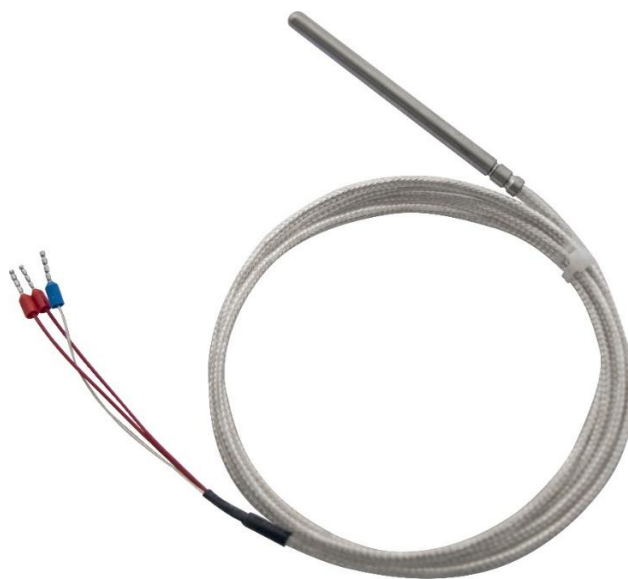
Applications

- Equipment support
- Automatic temperature measurement and control systems such as pumps, compressors, natural gas pipelines, etc.
- Temperature measurement of water or oil in petroleum, chemical, electric power, textile, and environmental protection fields, etc.

Notes:

- 1 When measuring temperature, the temperature measuring element should reach thermal equilibrium with the measured object.
- 2 Make sure the insertion length is accurate.
- 3 Please read the Instruction Manual of the product carefully before installation and check the relevant information of the product.
- 4 Strictly follow the wiring method for wiring, otherwise it may cause product damage or other potential faults.
- 5 Misuse of the product may cause danger or personal injury.

PCT10 Industrial Temperature Sensor



Product overview

PCT10 Industrial Temperature Sensor measures medium temperature by using the characteristics of platinum resistance, which changes with temperature change in a certain functional relationship. It adopts imported high-performance, high-reliability platinum resistance, goes through precise temperature and non-linear compensation, and employs good performance modular signal processing technology to measure and calibrate medium temperature and output industrial control standard signals.

Notes:

- 1 Do not misuse documentation.
- 2 The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- 3 Complete installation, operation, and maintenance information is provided in the instructions of the product.
- 4 Misuse of the product may cause danger or personal injury.

Temperature range

Temperature range -50°C to 150°C

Specification

Sensitive element Pt100 Grade A、Pt1000 Grade A

Dielectric strength 100M Ω /250VDC

The response time $\leq 30s$

Long-term stability $\leq 0.2\%FS/year$

In diameter $\Phi 5mm$

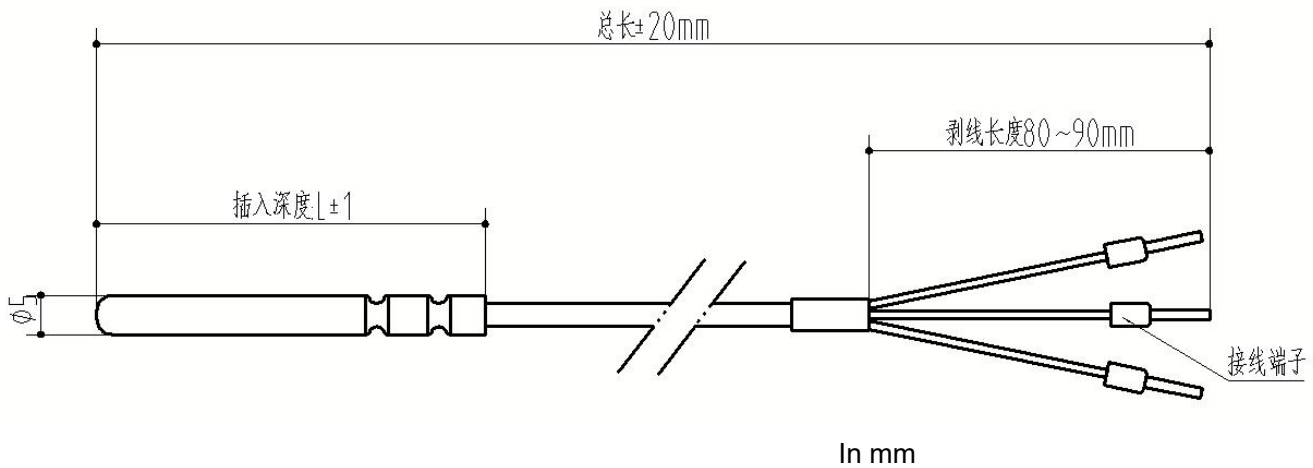
Storage temperature -40°C ~85°C

Electrical connections Cable outlet

Protection grade IP67

The probe material SS304

Drawing

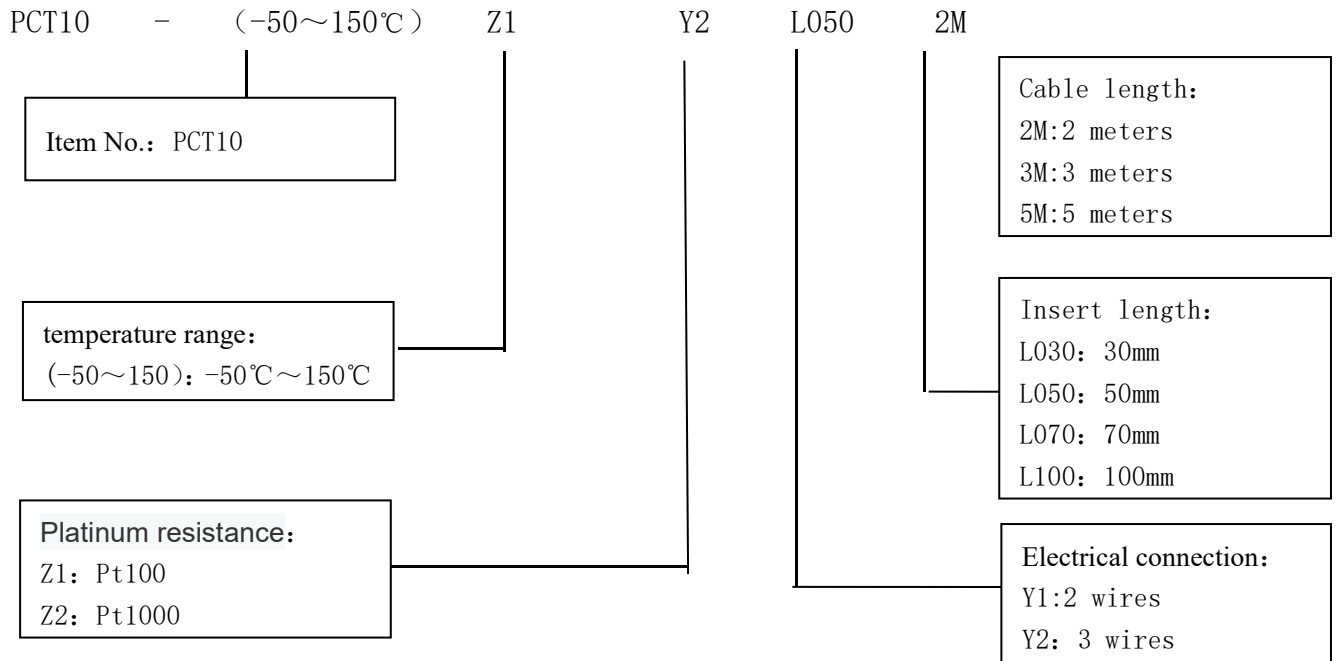


2 Wires

Wire	Connection
red	Pt100
white	Another side of Pt100

3 wires

Wire	Connection
white	Pt100
red	Another side of Pt100
red	Compensation wire



For example: PCT10-(-50~150)Z1Y2L050-2M

Item No. PCT10, temperature range -50℃~150℃, Platinum resistance: Pt100, Electrical connection Y2: 3 wires

Insert length L050: 50mm, Cable length 2M: 2 meters

Wotian reserves the right to make changes to any product in this publication without notice. The information we supply is believed to be accurate and reliable as of this printing.

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