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
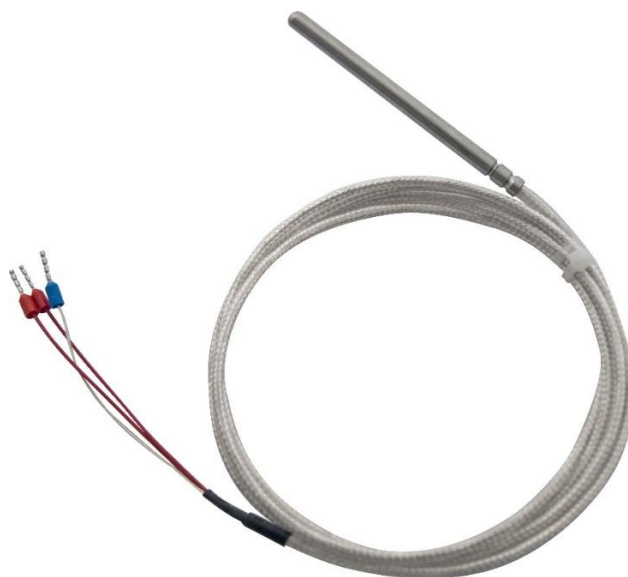
Product overview

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℃ to 150℃
Specification	
Sensitive element	Pt100 Grade A、Pt1000 Grade A
Dielectric strength	100MΩ/250VDC
The response time	≤30s
Long-term stability	≤0.2%FS/year
In diameter	Φ5mm
Storage temperature	−40℃～85℃
Electrical connections	Cable outlet
Protection grade	IP67
The probe material	SS304
Drawing	

总长±20mm

剥线长度80~90mm

插入深度L±1

接线端子

In mm
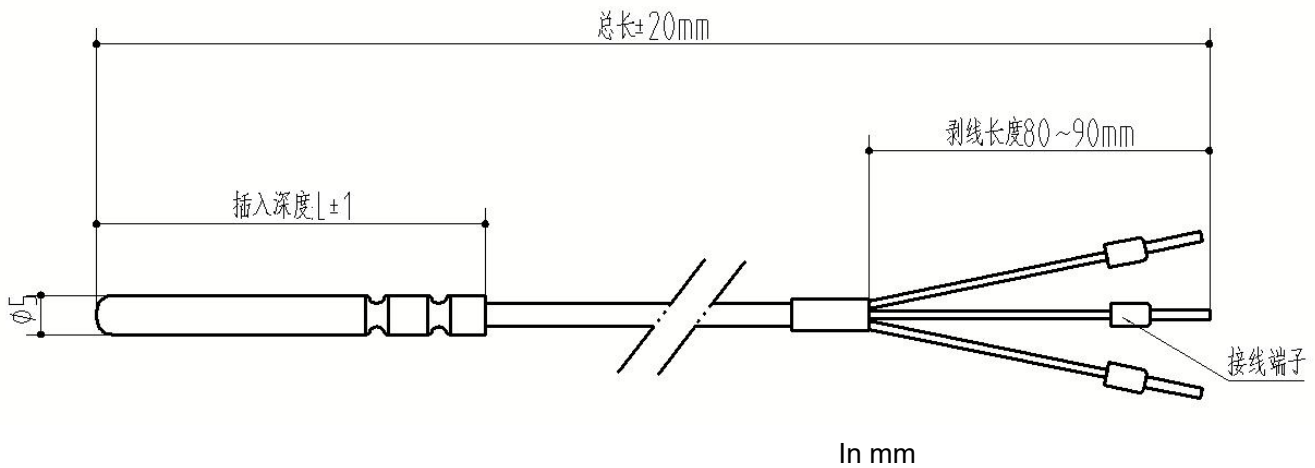
2 Wires

Wire	Connection
red	Pt100
white	Another side of Pt100

3 wires

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

wtsensor

```
PCT10    —    (-50～150℃)    Z1        Y2        L050        2M
```

Item No.：PCT10

temperature range：
(-50～150)：-50℃～150℃

Platinum resistance：
Z1：Pt100
Z2：Pt1000

Cable length：
2M：2 meters
3M：3 meters
5M：5 meters

Insert length：
L030：30mm
L050：50mm
L070：70mm
L100：100mm

Electrical connection：
Y1：2 wires
Y2：3 wires
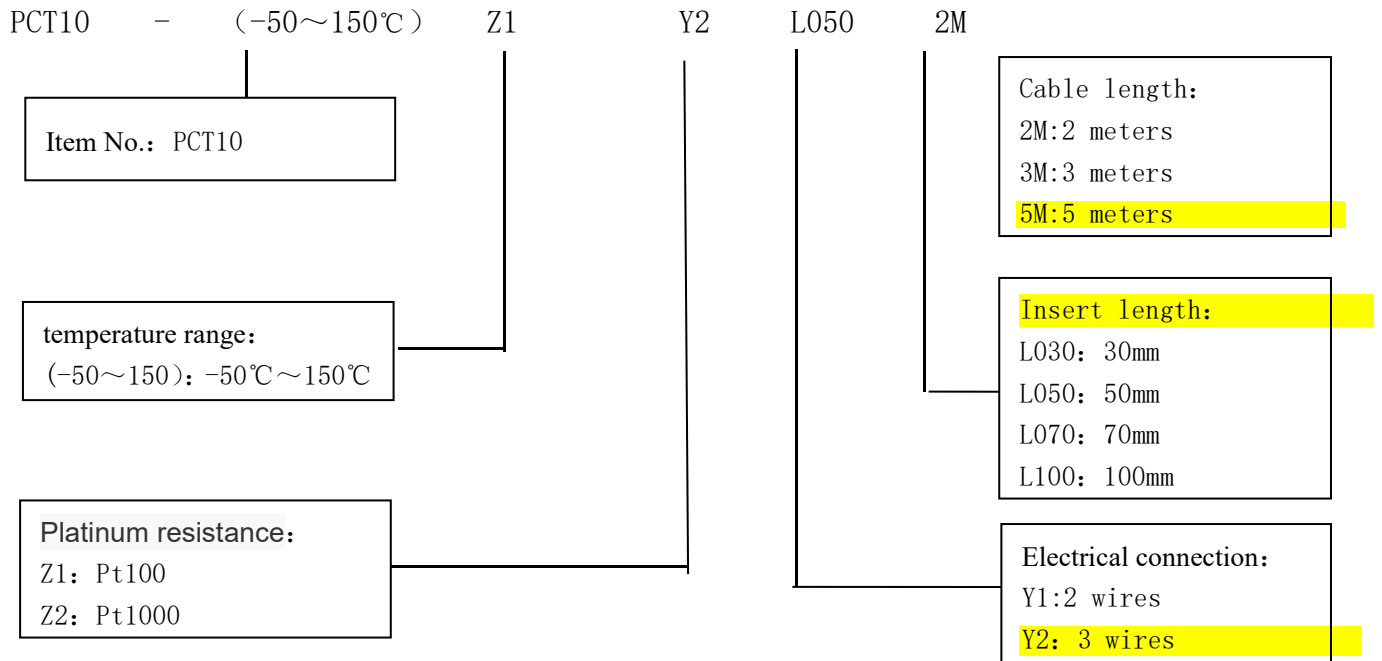
For example：PCT10-(-50～150)Z1Y2L050-2M

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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