

# PCT003 Radial Bimetal Temperature Sensor

## Features

- Temperature measurement range
- Easy installation
- High temperature measurement accuracy
- Long-term stability
- Long life cycle

## Applications

- Electric power, aerospace industry
- Temperature measurement in textile, food and other fields
- Atomic energy, petroleum, chemical

Note:

### Notes:

- 1 Please read the Instruction Manual of the product carefully before installation and check the relevant information of the product.
2. Follow the instructions to install, otherwise it will cause product damage and other potential failures
- 3 Misuse of the product may cause danger or personal injury.



## Product overview

The radial bimetal temperature sensor integrates bimetal thermometer and thermal resistance (couple) to meet the requirements of on-site temperature measurement and long-distance transmission. It can directly measure liquid, steam and gas media in the range of -80 ~ 500 degrees Celsius during various production processes and the temperature on solid surfaces.

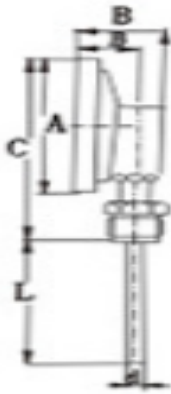
### Notes:

- 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.

## Technical Indicators

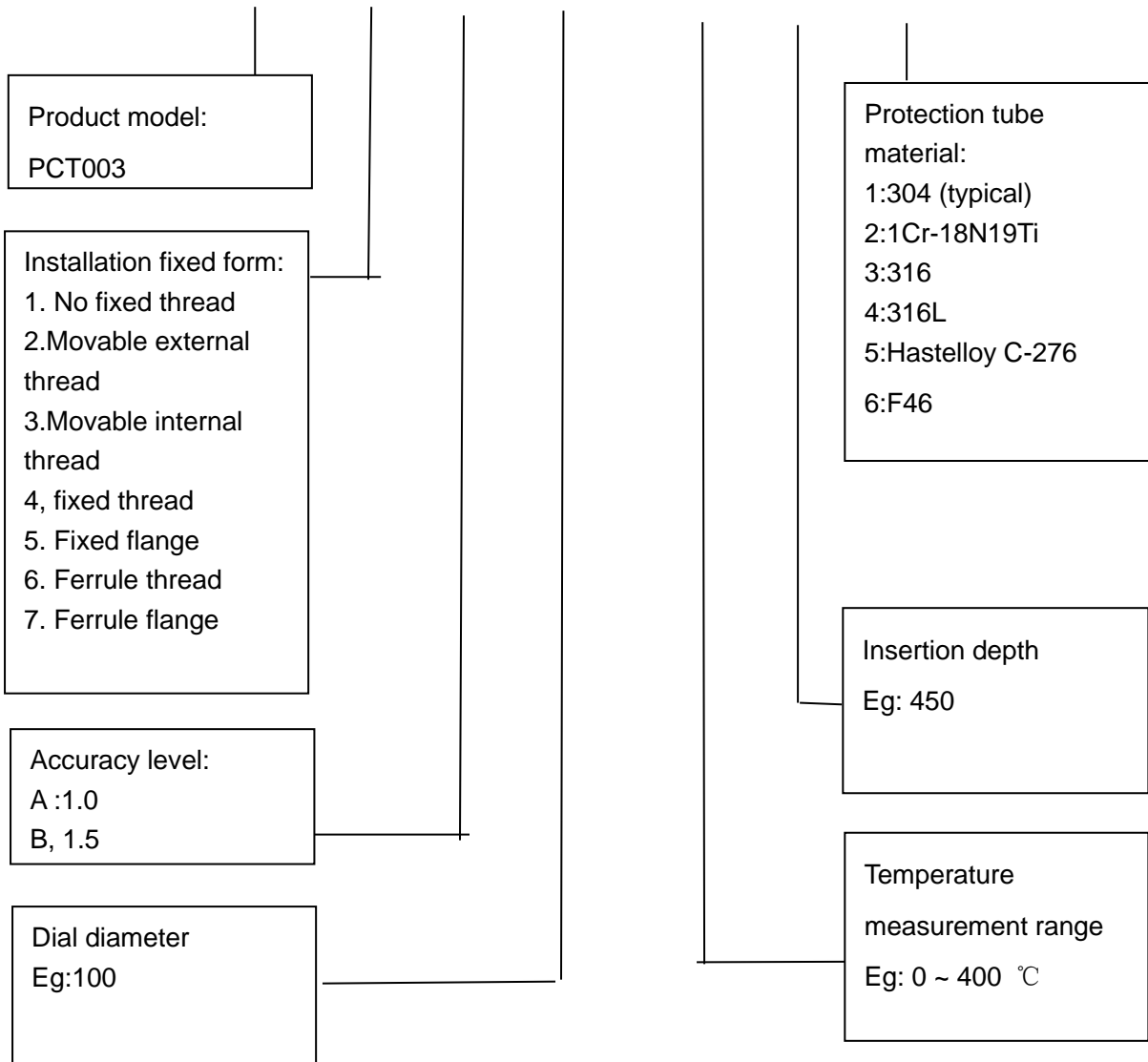
Model	Measurement Ranges °C	ranges	Protection tube material	Insertion depth L mm
Bimetal temperature sensor	-80—40	1.0	1Cr-18N19Ti	75
	-40~60	1.5	304	100
	0~50		316	150
	0~150		316L	200
	0~200		Hastelloy	300
	0~400		C-276	400
	0~500		F46	500
	0~650			750 1000 2000
form	D	A	B	d
Radial type	105	23	73	Φ10  Φ12  Φ14
	155	23	73	

Product parameters	
Thermal response time:	≤40s
Accuracy class	1.0, 1.5FS
Thermocouple	Class I, 1.5 °C, Class II, 2.5 °C
Thermal resistance	Class A ± (0.15 + 0.0051t1)
	Class B ± (0.30 + 0.0051t1)
Protection	IP65
diameter	100, 150



How to order

PCT003 - 1 - B -100 - 0~400°C 450 - 1





Wotian reserves the right to make any change in this publication without notice. The information provided is believed to be accurate and reliable as of this product sheet.

### **Contact us**

Nanjing Wotian Technology Co.,Ltd.

Website: [www.wtsensor.com](http://www.wtsensor.com)

Add: 5 Wenyong Road, Binjiang Development Zone, Nanjing, 211161, China

Sales Manager: Wuzhou Lian

Email: [wuzhou@wtsensor.net](mailto:wuzhou@wtsensor.net)