

# 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

### 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.



## 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.

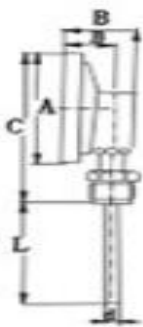
### Notes:

- 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.

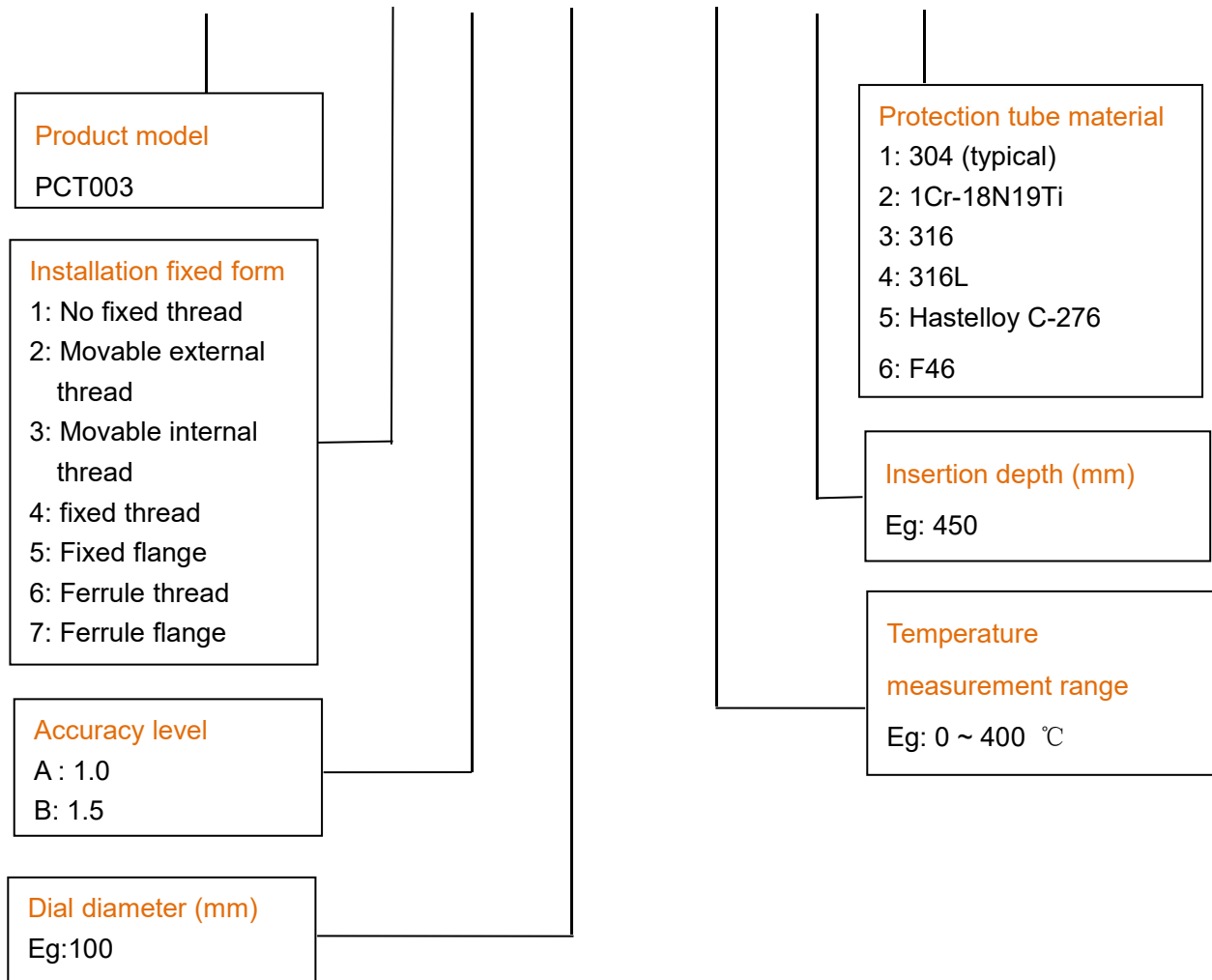
## Technical Indicators

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 C-276	300
	0~400		F46	400
	0~500			500
	0~650			750 1000 2000
Form	D	A	B	Diameter (mm)
Radial type	105	23	73	Φ10
	155	23	73	Φ12 Φ14

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



PCT003 - 1 - B -100 - 0~400℃ 450 - 1



Example: PCT003 -1-B-100- 0~400℃450- 1

The product model is PCT300, 1: installation fixed form is no fixed thread, B: accuracy level reach 1.5, 100: dial diameter is 100 mm, 0~400℃: temperature measurement range is 0~400℃, 450: insertion depth is 450 mm, 1: protection tube material is 304 (typical).

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

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