PCT202B Integrated Temperature Transmitter

Features

- High strength, high pressure resistance
- Integrated structure
- Long-term stability
- Fast response
- Reliable structure

Applications

- Equipment supporting
- Automatic temperature measurement and control systems for pumps and compressors, natural gas pipeline networks, etc.
- Temperature measurement of water or oil in the fields of petroleum, chemical industry, electric power, light textile, environmental protection, 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.

Product overview

The PCT202B integrated temperature transmitter uses the resistance of platinum resistance to change with temperature and shows a certain functional relationship to measure the temperature of the measured medium. The product consists of a temperature sensor and a conversion circuit. It has the advantages of stable performance, high sensitivity, and strong reliability.

The PCT202B integrated temperature transmitter adopts a fully welded movable thread structure and is easy to install. It is widely used in automatic temperature measurement and control systems such as petroleum machinery, chemical machinery, pumps and compressors, electric power, boilers, and natural gas.

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.

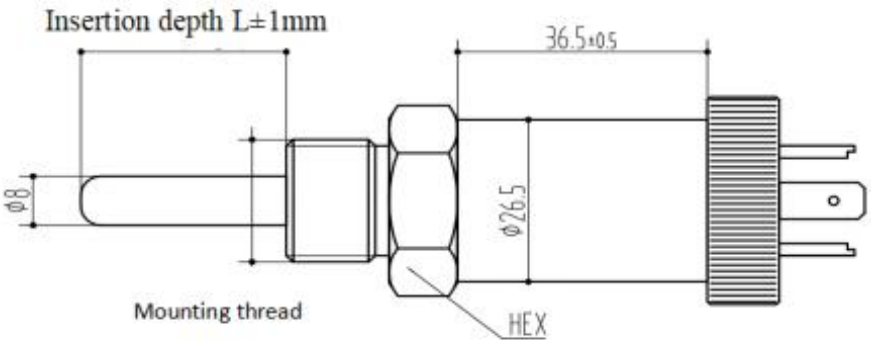
3 Complete installation, operation, and maintenance information is provided in the instructions of the product.

4 Misuse of the product may cause danger or personal injury.

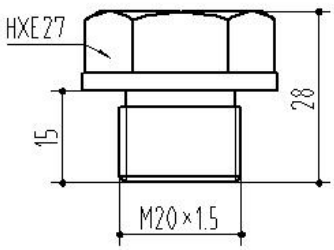
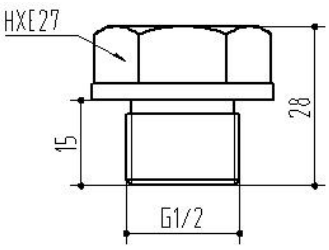
Performance parameters	
Temperature range	-50℃ ~150℃ (Max)
Supply & Output	Supply: 18-36V; Output: 4 -20mA
Accuracy	±0.5%F.S. (Typical)
Sensing element	PT100　Level A
Insulation resistance	100MΩ/250VDC
Response time	≤30S
Long-term stability	≤0.2%FS/year
Insertion diameter	Φ8mm
Storage temperature	-40℃~85℃
Electrical connections	DIN43650, DIN43650 with cable
Protection	IP65
Material	304
Installation torque	25Nm

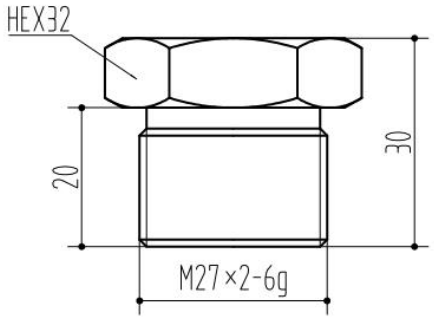
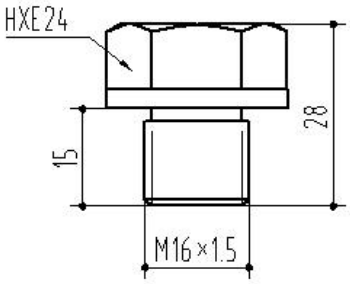
Structure

Dimension
In: mm



Pressure connection

Thread Code	C1: M20×1.5-6g	C2: G1/2
Dimension In: mm		
Recommended torque	15～25Nm	15～25Nm

Thread Code	C4: M14×1.5	C22: M16×1.5
Dimension In: mm		
Recommended torque	15~25Nm	15~25Nm

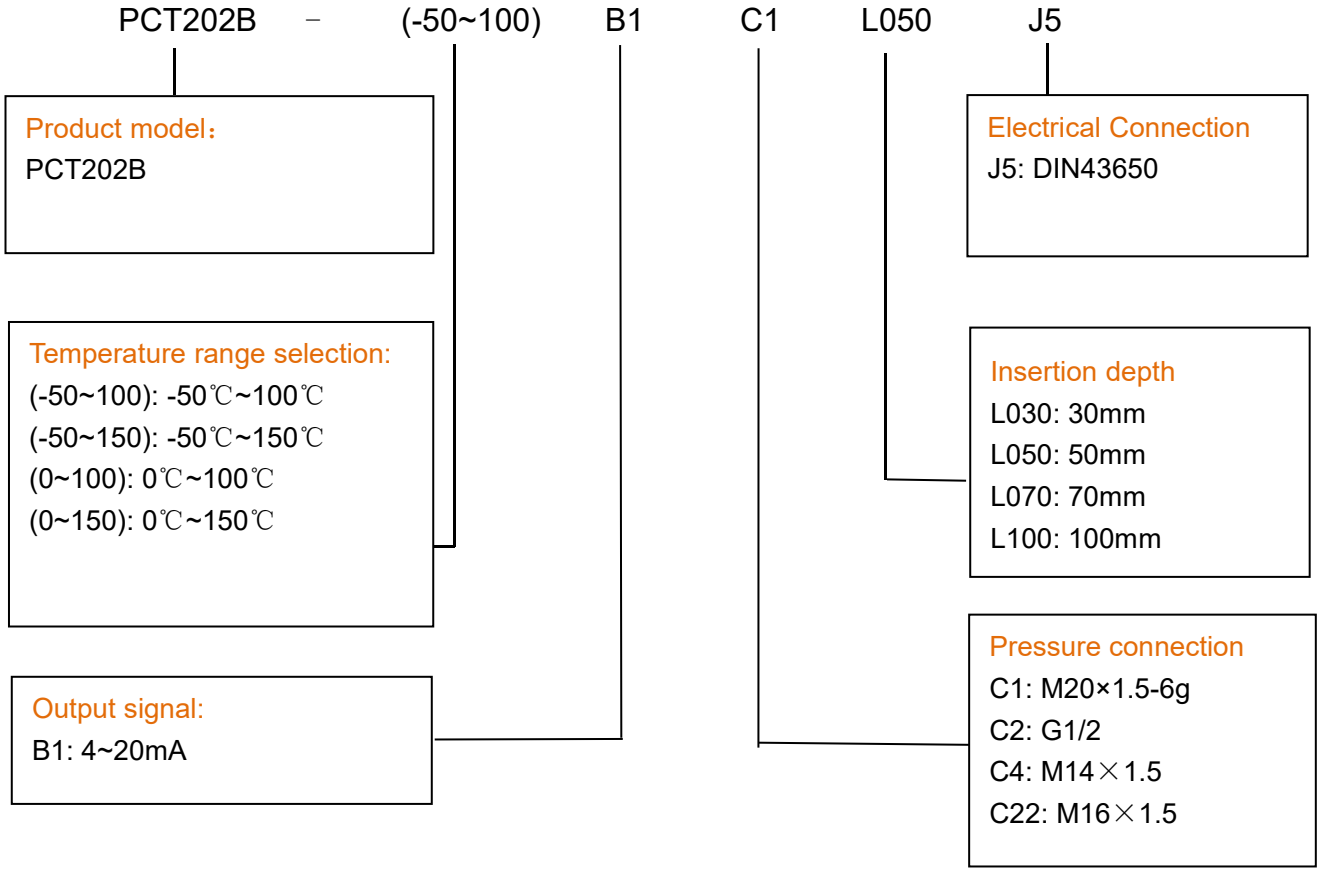
Note: Torque depends on various factors, such as gasket material, matching materials, thread lubrication and pressure.

Temperature range selection		
Temperature range code	**Temperature range**	**Remark**
(-50~100)	-50℃~100℃	
(-50~150)	-50℃~150℃	
(0~100)	0℃~100℃	
(0~150)	0℃~150℃	

Accessory			
Name	Appearance	Description	Part number
DIN43650 connector		OMAL	100040301013
DIN43650 connector with wire		OMAL 1.5m	100040301018
LCD display		LCD12	100040100008

How to order

PCT202B – (-50~100) B1 C1 L050 J5



Example: PCT202B-(-50~150)B1C1L050J5

PCT202B: product model. (-50℃~150℃): temperature range. B1: output signal 4~20mA. C1: pressure connection M20×1.5-6g. L050: insertion depth 50mm. J5: electrical connection DIN43650.

Contact us

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