

PCM264 Anti-corrosion Level Transmitter

Features

- High performance ceramic capacitance sensor
- Viton ring waterproof seal
- Probe PTFE material
- Resistant to acid, alkali and other strong corrosive liquids
- Anti-condensation with Polymer screen
- Multiple protection structure design, strong protection ability
- Good long-term stability

Applications

Measurement of static pressure liquid level, industrial sewage, corrosive liquid containing strong acid and alkali, etc

Notes:

- 1 Do not touch the diaphragm with hard objects, which may cause damage to the diaphragm.
- 2 Please read the Instruction Manual of the product carefully before installation and check the relevant information of the product.
- 3 Strictly follow the wiring method for wiring, otherwise it may cause product damage or other potential faults.
- 4 Misuse of the product may cause danger or personal injury.



Product overview

The PCM264 anti-corrosion level transmitter uses ceramic capacitance pressure sensor, the probe put into the measured medium is made of Teflon, and the gas conducting cable is made of special anti-corrosion liquid level wire, which is mainly used for liquid level measurement of corrosive media such as acid and alkali.

The whole PCM264 transmitter is reliably sealed for the connection of the housing, wire and other links, ensuring the transmitter has a long service life. The unique internal structure has the function of preventing condensation. It is widely used in many fields such as chemical industry, environmental protection, medicine, industrial process control, etc.

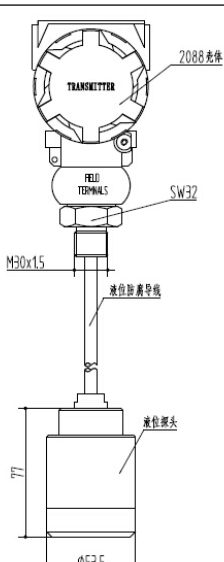
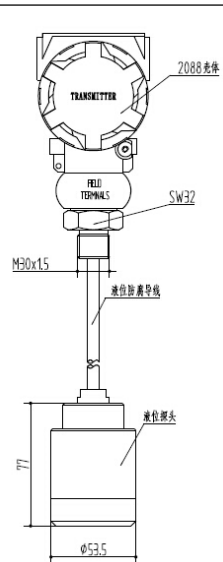
Notes:

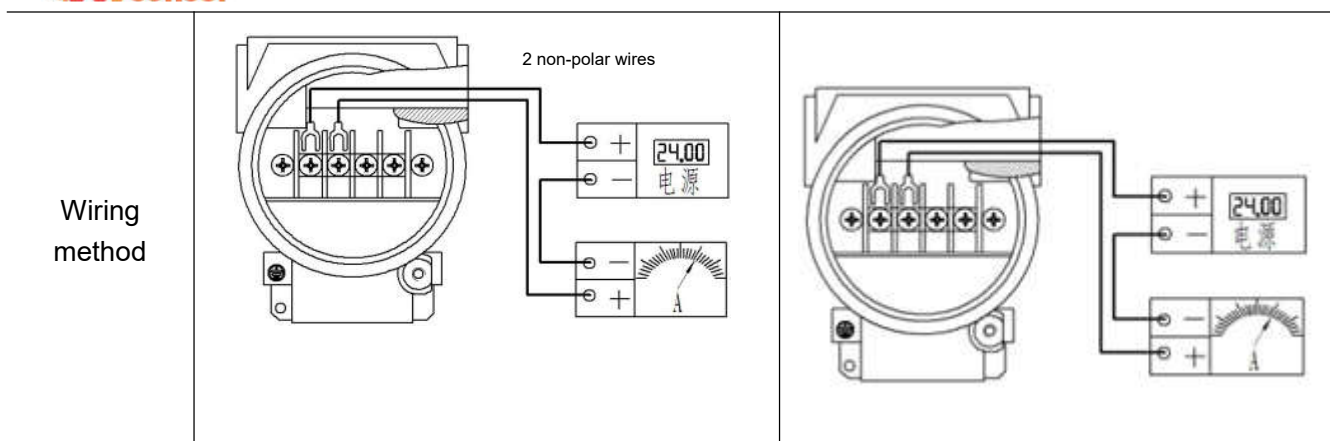
- 1 Do not misuse documentation.
- 2 The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- 3 Complete installation, operation, and maintenance information is provided in the instructions of the product.

Performance parameters

Pressure range	0m~1m...10m H ₂ O
Supply & output	4~20mA (18~36V)
	4~20mA with display (18~36V)
Operating temp.	0°C~85°C
Medium temp.	-20°C~85°C
Storage temp.	-40°C~125°C
Compensated temp.	0m~10m H ₂ O: 0°C~60°C
Zero temp. coefficient	±2%FS (0°C~60°C)
Span temp. coefficient	±2%FS (0°C~60°C)
Overpressure	150%FS
Mechanical vibration	20g (20~5000HZ)
Shock	100g (11ms)
Overall Accuracy	±0.5%FS
Insulation	200MΩ/250VDC
Response time	≤1ms (up to 90%FS)
Long term stability	±0.2%FS/year
Protection	IP68
Material	Junction box: low copper aluminum alloy, probe: PTFE
	Level transmitter anti-corrosion cable
Medium compatibility	All kinds of media compatible with PTFE

Electrical connection and wiring method

Code	J1: 2088 housing	J1X: 2088 housing with display
Dimension In mm		



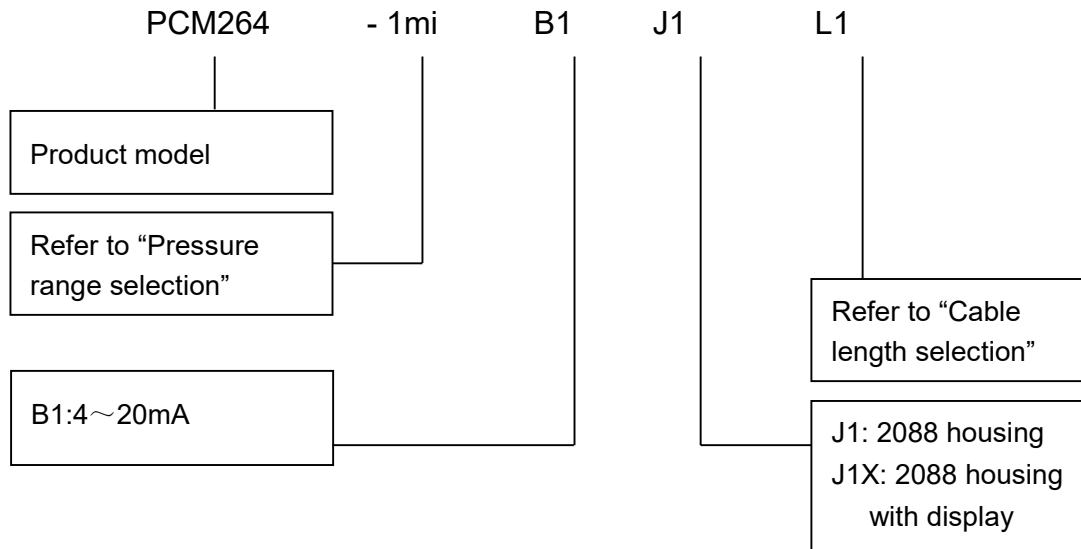
Pressure range selection

Pressure Range code	Pressure reference	Pressure range	Overpressure	Burst pressure	Remark
1mi	G	1mH2O	300%FS	600%FS	
2mi	G	2mH2O	300%FS	600%FS	
3mi	G	3mH2O	300%FS	600%FS	
4mi	G	4mH2O	300%FS	600%FS	
5mi	G	5mH2O	300%FS	600%FS	
6mi	G	6mH2O	300%FS	600%FS	
7mi	G	7mH2O	300%FS	600%FS	
8mi	G	8mH2O	300%FS	600%FS	
9mi	G	9mH2O	300%FS	600%FS	
10mi	G	10mH2O	200%FS	500%FS	

Cable length selection

Pressure range code	Standard cable length	Code	Definition
1mi	L1 L2 L3 L4 L5 L6 L7 L8 L9 L10	L1	Cable length 1m
2mi	L2 L3 L4 L5 L6 L7 L8 L9 L10	L2	Cable length 2m
3mi	L3 L4 L5 L6 L7 L8 L9 L10	L3	Cable length 3m
4mi	L4 L5 L6 L7 L8 L9 L10	L4	Cable length 4m
5mi	L5 L6 L7 L8 L9 L10	L5	Cable length 5m
6mi	L6 L7 L8 L9 L10	L6	Cable length 6m
7mi	L7 L8 L9 L10	L7	Cable length 7m
8mi	L8 L9 L10	L8	Cable length 8m
9mi	L9 L10	L9	Cable length 9m
10mi	L10	L10	Cable length 10m

How to order



Example: PCM264-1miB1J1L1

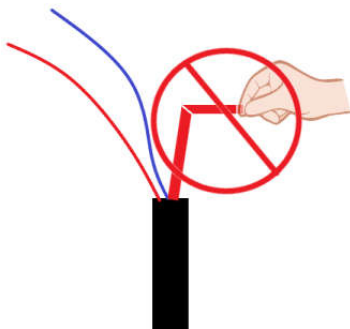
Refer to product model PCM264, with pressure range 1mH₂O, output signal 4~20mA, 2088 housing, cable length 1m.

Optional accessories

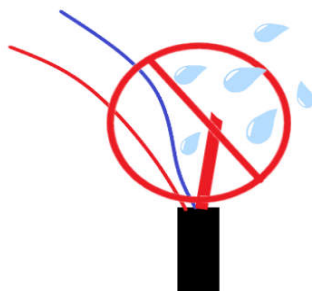
1. The part of cable exceeding the standard cable length

Cautions

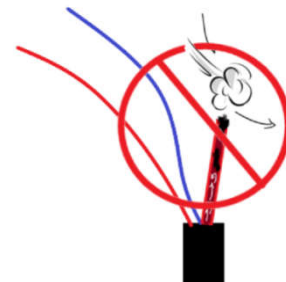
When using the level transmitter, the vent tube should be open to the air. Please be noted that the vent tube cannot be clogged or bent. The vent tube should be treated with waterproof and dust-proof, or the transmitter will not function normally or even be damaged.



Do not bend the vent tube.



Do not expose the vent tube.
to rain or water.



Do not clog the vent tube.

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