PCM264 Corrosion Proof Level Transmitter

Features

- High-performance ceramic capacitive sensor
- With waterproof sealing fluororubber ring
- PTFE probe
- Resistant to strong corrosive liquids, such as acids and alkalis
- Anti-condensation with molecular sieve
- Multiple protection structure design, strong protection ability
- Excellent long-term stability

Applications

- Suitable for measuring hydrostatic liquid level, industrial sewage, and strong corrosive liquids containing acids and alkalis...

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 corrosion-proof level transmitter adopts a ceramic capacitive pressure sensor, a PTFE probe (inserted into the measured medium), and a special corrosion-proof level cable. It is mainly used to measure the liquid level of corrosive media such as acids and alkalis.

PCM264 has been reliably sealed outside the interfaces of the housing, wires, and other components, ensuring a long service life for the transmitter. Its unique internal structure has anti-condensation properties and is widely used in the chemical industry, environmental protection, pharmaceuticals, and industrial process control fields.

Notes:

1 Do not misuse documentation.

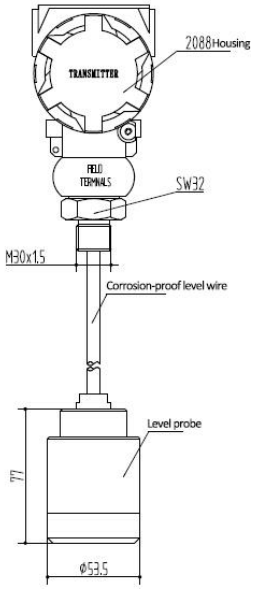
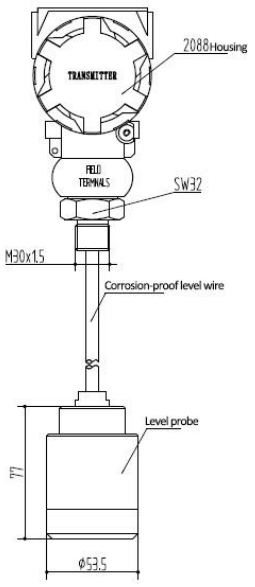
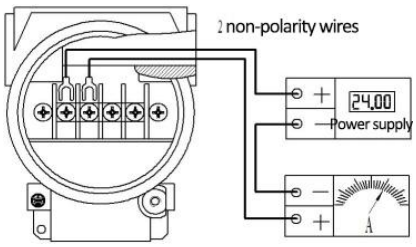
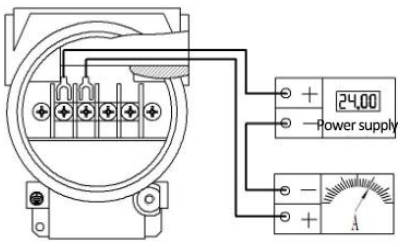
2 The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.

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

Performance parameters

Pressure range	0m~1m…10m H_2O
Supply & output signal	4~20mA (18~36V)
	4~20mA with display (18~36V)
Operating temp.	0℃~85℃
Medium temp.	-20℃~85℃
Storage temp.	-40℃~125℃
Compensated temp.	0m~10m H_2O: 0℃~60℃
Zero temp. coefficient	±2%FS (0℃~60℃)
Sensitivity temp. coefficient	±2%FS (0℃~60℃)
Overload pressure	150%FS
Mechanical vibration	20g (20~5000HZ)
Shock	100g (11ms)
Overall accuracy	0.5 level
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; Level probe: PTFE Cable: corrosion-proof level wires
Medium compatibility	All kinds of media compatible with PTFE

Electrical connection and wiring method

	J1: 2088 housing	J1X: 2088 housing with display
Dimension In mm		
Wiring method		

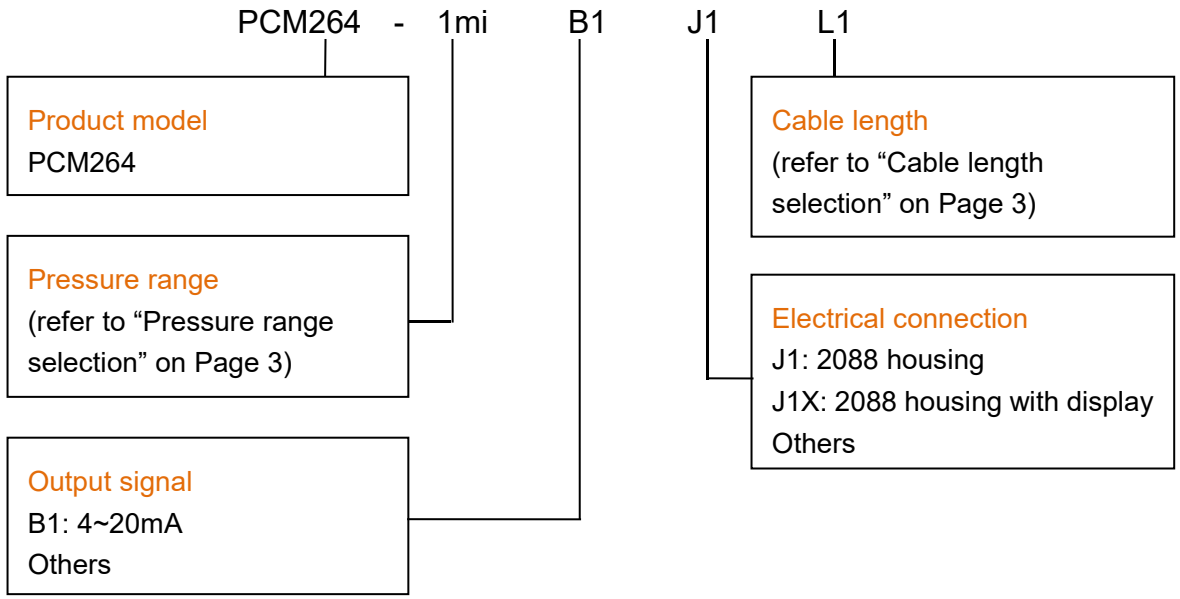
Pressure range selection

Code	Pressure reference	Pressure range	Overpressure	Burst pressure	Note
1mi	G	1meter H2O	300%FS	600%FS	
2mi	G	2meters H2O	300%FS	600%FS	
3mi	G	3meters H2O	300%FS	600%FS	
4mi	G	4meters H2O	300%FS	600%FS	
5mi	G	5meters H2O	300%FS	600%FS	
6mi	G	6meters H2O	300%FS	600%FS	
7mi	G	7meters H2O	300%FS	600%FS	
8mi	G	8meters H2O	300%FS	600%FS	
9mi	G	9meters H2O	300%FS	600%FS	
10mi	G	10meters H2O	200%FS	500%FS	

Cable length selection

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

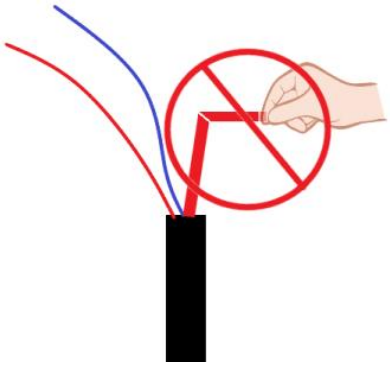
Product model: PCM264, pressure range: 1m H2O, output signal: 4~20mA, 2088 housing, cable length 1m.

Optional accessories

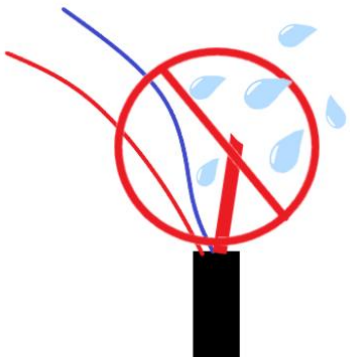
The length of the cable beyond the standard cable length.

Notes

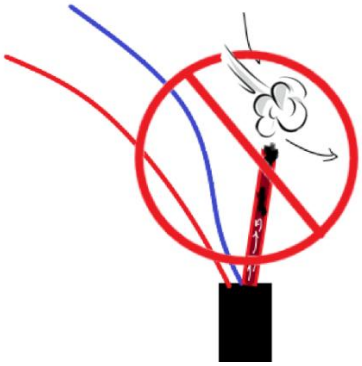
The air duct of the liquid level transmitter needs to remain open to the atmosphere. During operation, ensure that the duct is not blocked or bent. Additionally, proper waterproof and dustproof measures should be applied to the air duct; otherwise, it may impair transmitter performance and cause damage to the device.



Do Not Bend



Do Not Expose to Rain or Water



No Dust Blockage

Contact us

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