

PCM601 Wind Differential Pressure Transmitter

Features

- Diameter 10 barb structure pressure port, easy installation
- Measuring differential pressure of the tiny gas
- Strong seal and good aluminum alloy housing
- With the protection of short circuit and reverse polarity
- The temperature of Zero and sensitivity can be compensated with full range
- Strong resistance to the interference and high stability

Applications

- Boiler air supply, underground ventilation and other power and coal industries, Ultra-clean factory automation detection pressure progress control field as well.

Notes:

- 1 Do not touch the diaphragm with hard objects, which may cause damage to the diaphragm.
- 2 Install three-Valve manifold when using this product recommended
- 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

PCM601 Wind Differential Pressure Transmitter is assembled by MEMS silicon piezoresistive differential pressure core, its housing is made of aluminum alloy and pressure interface is M10 thread plus barb, it can be directly installed on the measuring pipe or connected through the pressure pipe. This product is easy to install and use, widely used in boiler air supply, underground ventilation and other power and coal industries, it also can be used in Ultra-clean factory automation detection pressure progress control field.

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

Pressure range	0~500pa...1kpa..100kpa(minimum range is 0~200pa,to be customized)
Pressure reference	Differential pressure
Output and supply	4~20mA(12~30VDC)
Overall accuracy	500Pa、1kPa: $\pm 1\%FS(@25\pm 5^{\circ}C)$
	2kPa~100kPa: $\pm 0.5\%FS(@25\pm 5^{\circ}C)$
Zero temp. coefficient	$\pm 3\%FS(@0^{\circ}C\sim 50^{\circ}C)$
Sensitivity temp.coefficient	$\pm 3\%FS(@0^{\circ}C\sim 50^{\circ}C)$
Response time	$\leq 100ms$ (up to 90%FS)
Insulation	100M Ω /250VDC
Operating temp.	-20 $^{\circ}C$ ~60 $^{\circ}C$
Medium temp.	-20 $^{\circ}C$ ~60 $^{\circ}C$
Storage temp.	-20 $^{\circ}C$ ~85 $^{\circ}C$
Overload Pressure	200%FS
Machine vibration	20g (20~5000Hz)
Shock	100g (11ms)
Durability	10 ⁶ (cycles)
Long-term stability	$\pm 0.2\%FS/year$
Material	aluminum alloy housing
Medium compatibility	All materials that can be compatible with aluminum alloy

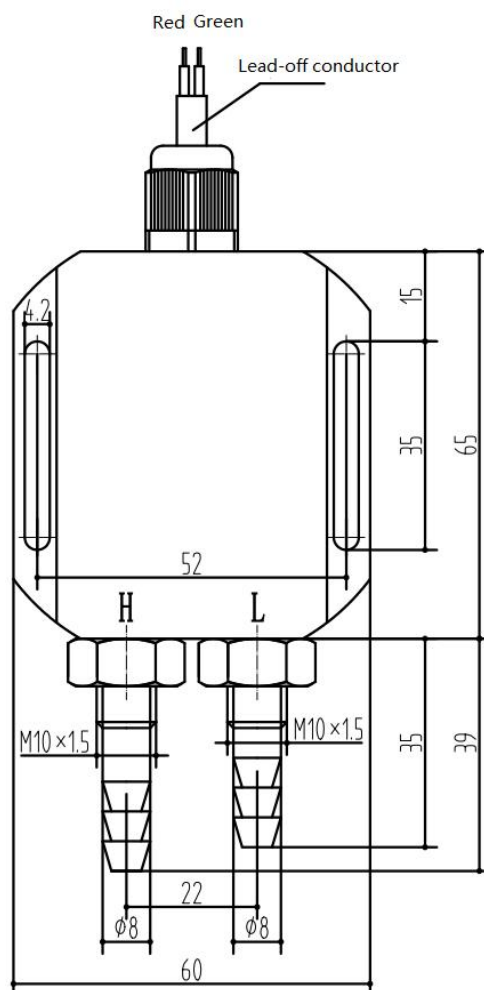
Pressure range selection

Pressure range code	Pressure reference	Pressure range	Over pressure	Burst pressure	NOTES
500	G、A	0~100kPa	200%FS	500%FS	
1k	G、A	0~160kPa	200%FS	500%FS	
2k	G、A	0~250kPa	200%FS	500%FS	
5k	G、A	0~400kPa	200%FS	500%FS	
7k	G、A	0~600kPa	200%FS	500%FS	
10k	G、A	0~1MPa	200%FS	500%FS	
20k	G、A	0~1.6MPa	200%FS	500%FS	
35k	S	0~2.5MPa	200%FS	500%FS	
70k	S	0~4MPa	200%FS	300%FS	
100k	S	0~6MPa	200%FS	300%FS	

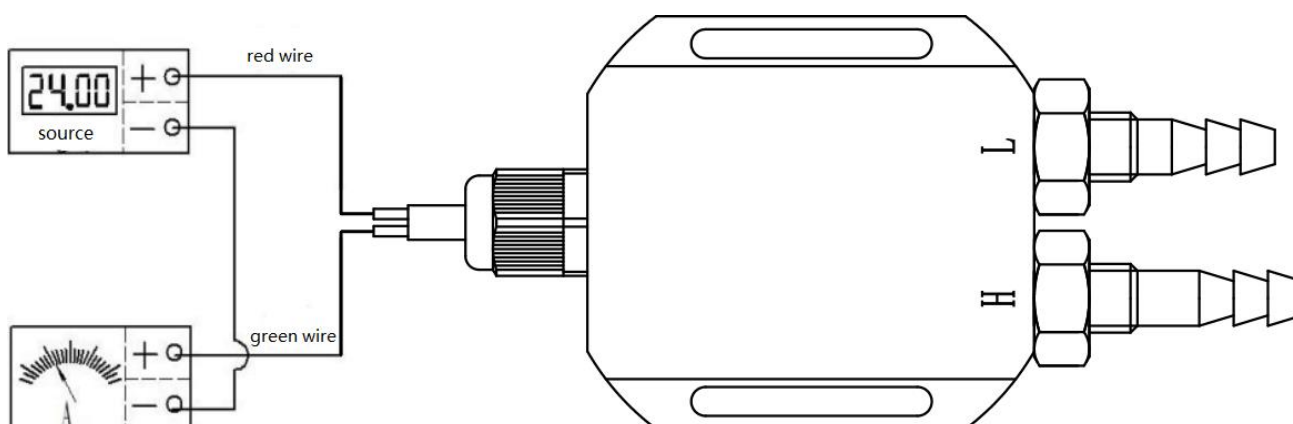
Note: G-Gauge pressure, A-Absolute pressure, S-Sealed gauge pressure

Outline dimension

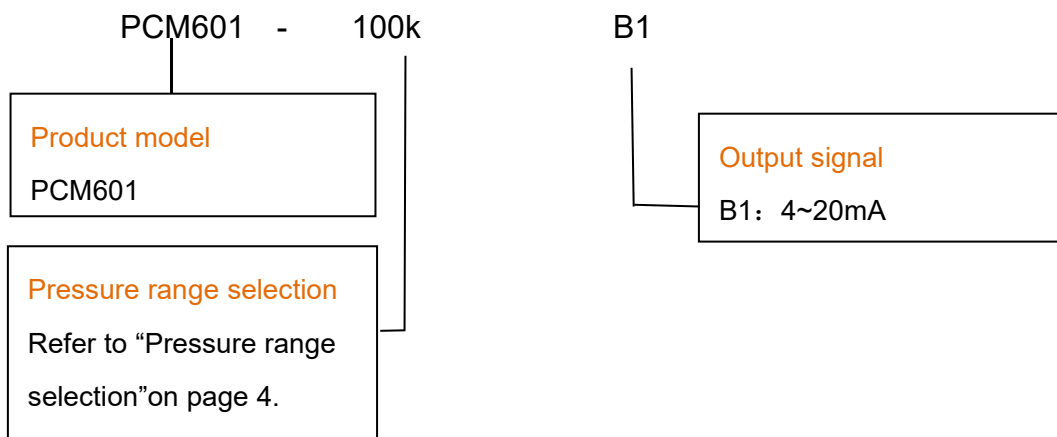
Dimension
In mm



Wiring mode



How to order



Example: PCM601-100kB1

The model is wind Differential Pressure Transmitter of PCM601. Pressure range is 0~100kPa, B1:output signal 4~20mA.

Ordering tips:

1. The product is standard with 1.5 meters gray wire,beyond the part as an optional part
2. H is the positive pressure end and the L is the negative end, the reverse end will show negative numbers, negative numbers will be shown when the positive pressure is less than the negative
3. Slight shaking of the product has no effort on the output, and the installation position of a small pressure range(below 20kpa)has an impact on the zero output.
4. Product with LCD have the pressure unit(KPa)

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.

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