PCM600 Wind Differential Pressure Transmitter

Features

- φ8 Barbed connector, easy to install
- Measuring the tiny gas differential pressure value
- Firm and well-sealed aluminium alloy housing
- With the short-circuit protection and reverse polarity protection
- Full range compensation for zero and sensitivity temperature
- Strong anti-interference capacity and stability performance

Applications

- Applicable to the air supply for boiler, underground ventilation, and other electricity and mining industries, as well as the process control field of automated pressure detection for the clean room.

Notes:

1 Please read the Instruction Manual of the product carefully before installation and check the relevant information of the product.

2 Strictly follow the wiring method for wiring; otherwise, it may cause product damage or other potential faults.

Product overview

The PCM600 wind differential pressure transmitter is assembled with an OEM silicon piezoresistive differential pressure sensor and features an aluminium alloy structure housing and barbed structure pressure connection with an M10 thread. This design allows for direct installation on the measuring pipe or connection through an impulse pipe. PCM600 is easy to install and use, and is widely applied in air supply for boilers, underground ventilation, and other electricity and mining industries, as well as the process control field of automated pressure detection for a super clean workshop.

Notes:

1 Do not misuse documentation.

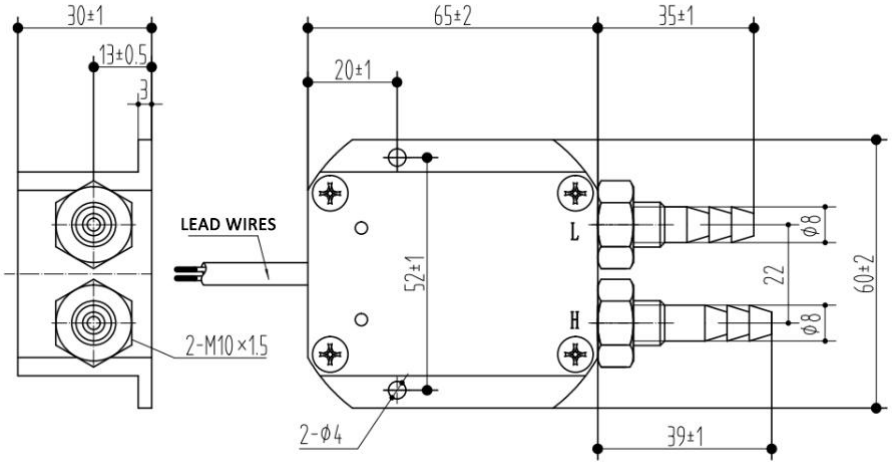
2 The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.

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

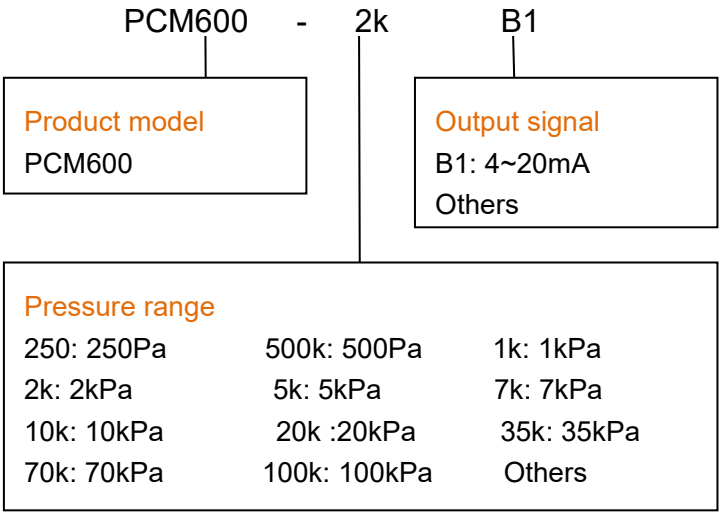
4 Misuse of the product may cause danger or personal injury.

Performance parameters	
Pressure range	0~250Pa…100kPa
Pressure reference	Differential pressure
Supply & output signal	Output signal: 4~20mA; Supply: 12~30V
Operating temp.	0℃~60℃
Medium temp.	-10℃~60℃
Storage temp.	-40℃~125℃
Zero temp. coefficient	±3%FS (@0℃~50℃)
Sensitivity temp. coefficient	±3%FS (@0℃~50℃)
Overpressure	200%FS
Mechanical vibration	Sine curve: 20g, 25Hz~2kHz; IEC 60068-2-6
Shock	10g/11ms; IEC 60068-2-27
Overall Accuracy	250Pa ≤ range < 500Pa: ±3%FS (@25±5℃)
	500Pa ≤ range ≤ 2kPa: ±2%FS (@25±5℃)
	2kPa < range ≤ 10kPa: ±1.5%FS (@25±5℃)
	10kPa < range ≤ 100kPa: ±0.5%FS (@25±5℃)
Insulation	100MΩ/250VDC
Response time	<100ms
Long-term stability	±0.2%FS/year
Durability	≥10^6 pressure cycles
Protection grade	IP65
Material	Stainless steel or aluminium alloy for housing
Medium compatibility	All kinds of media compatible with the stainless steel or aluminium alloy

Appearance structure

Dimension In mm	
Wiring method (2-wire, current)	Red: Supply+ Green: Current output

How to order



Example: PCM600-2kB1

PCM600 Wind Differential Pressure Transmitter, pressure range 0~2kPa, output signal 4~20mA.

Ordering tips

1 Ensure the measured medium is compatible with the contacting part of the product.
2 For special requirements on the appearance and performance parameters, customization is available.
3 Standard accessories: 1.5m grey lead wires; The excess part should be additionally calculated as the optional accessory.

Contact us

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