

# PCM570 Digital Pressure Gauge

## Features

- Use corrosion-resistant SS304 pressure port
- Use 304 housing. Rich in usage scenarios.
- High definition LCD display
- 7 units are switchable.
- One-touch reset, backlight, peak value recording, power on/off
- Ultra-low power consumption, with three-grid display, high-precision power detection
- 2\* AAA batteries. Can be used for more than 12 months.
- Ultra-high accuracy, using advanced high-stability dies

## Application

- Mechanical Manufacturing
- Supporting equipment of instruments
- Engineering Automation
- Replacement of traditional pointer pressure gauge
- Various pressure test devices

### Notes:

- 1 Do not misuse documentation. The information presented in this data sheet is for reference only. Do not use this document as a product installation guide.
- 2 Complete installation, operation, and maintenance information is provided in the instructions of the product.
- 3 Do not touch the diaphragm in the pressure hole with hard objects, as this may damage the diaphragm.
- 4 Improper use may result in danger and personal injury



## Overview

PCM570 is a low-power digital pressure gauge developed by WTsensor, which can be used in various pressure measurement fields.

PCM570 uses a high-accuracy pressure sensor and a 24-bit high-accuracy ADC to display pressure in real time. It has the characteristics of high accuracy and high stability.

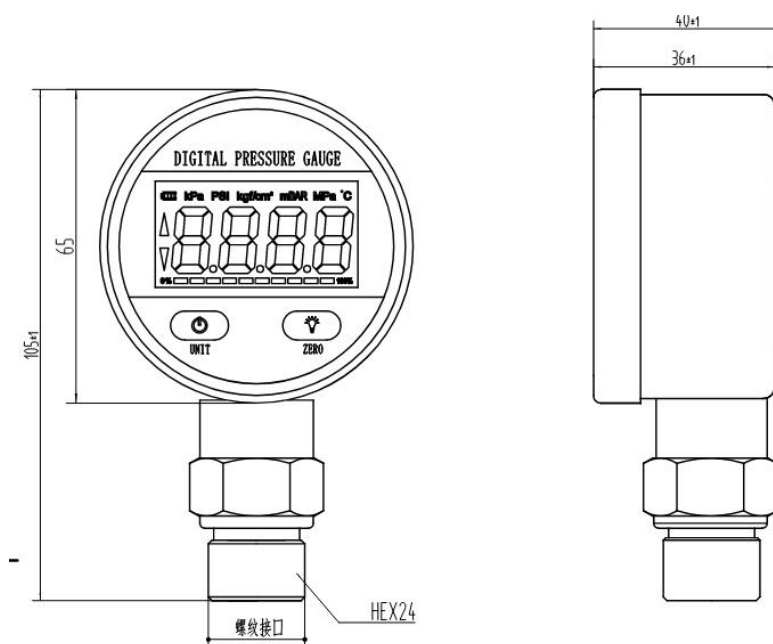
This product is equipped with a large high-definition LCD display. It has multiple functions such as zeroing, power on/off, backlight, unit switching, low voltage alarm, etc. This product is easy to operate and install, making it more convenient for users to use. This product uses SS304 pressure port and ceramic sensor, which has good shock resistance and strong corrosion resistance. It can measure gas, liquid, oil and other medium.

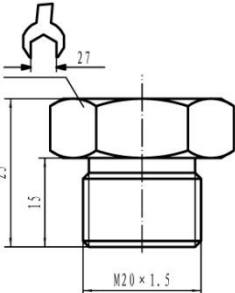
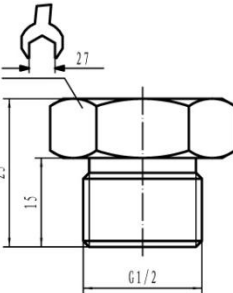
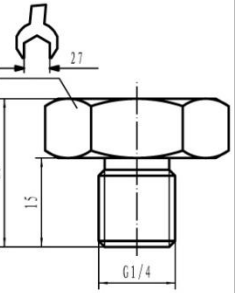
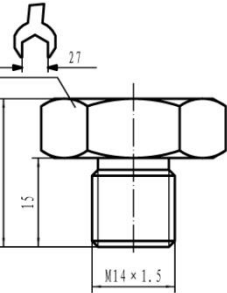
PCM570 digital pressure gauge is suitable for portable pressure measurement, intelligent and automated supporting equipment, pressure calibration and other pressure measurement fields.

## Performance parameters

Pressure range	0~500kPa...5MP
Pressure reference	Gauge pressure, Absolute pressure
Power supply	3V (2* AAA batteries)
Operating temp.	-10~60℃
Medium temp.	-10~60℃
Storage temp.	-40℃~125℃ (without battery)
Temp. drift	±1.5%FS (-10℃~60℃, refer to 25±5℃)
Shock	100g (11ms)
Mechanical vibration	10g (10~150Hz)
Comprehensive accuracy	Level 1
Long-term stability	±1%FS/year
Material	Stainless steel for housing
Medium compatibility	Pressure port material SS304
Pressure unit	MPa、bar、kgf、PSI、kPa、mBAR、Pa
Protection Grade	IP50 (IP54 with plastic cover)

## Structure & dimensions(unit in mm)



Pressure port				
Type	C1: M20×1.5	C2: G1/2	C3: G1/4	C4: M14×1.5
Dimension In mm				

Pressure range selection					
Pressure range code	Pressure reference	Pressure range	Overpressure	Burst pressure	
500k	A、G	0~500kPa	200%FS	500%FS	
1M	A、G	0~1MPa	200%FS	500%FS	
2M	A、G	0~2MPa	200%FS	500%FS	
3.5M	A、G	0~3.5MPa	200%FS	500%FS	
5M	G、S	0~5MPa	200%FS	500%FS	

Note: G stands for gauge pressure, A stands for absolute pressure, S stands for Sealed gauge pressure.

How to order	
<p>PCM570 — 1MG C1</p> <div> <div>Product model</div> <div>Refer to "Pressure range selection"</div> </div> <div> <div>Pressure port: C1: M20×1.5 C2: G1/2 Others: See threaded interface selection</div> </div>	

Example: PCM570-1MGC1

Refer to product model PCM570, with pressure range 0~1MPa, gauge pressure, and pressure port M20×1.5.

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.

**Contact us**



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