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## PCM510 Digital Manometer



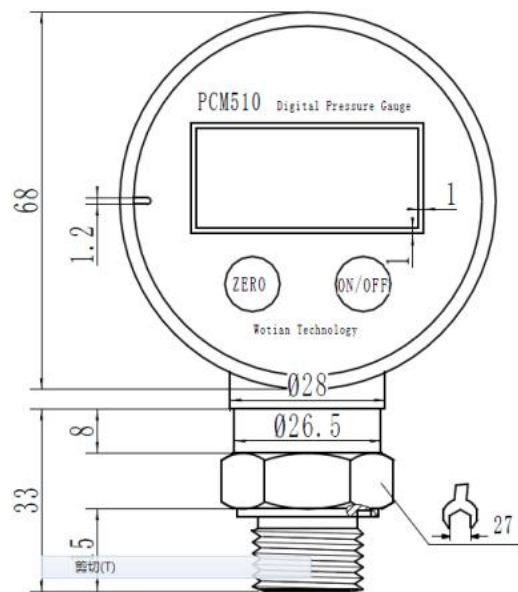
- Battery powered
- LC display
- Silicon sensor employed
- Perfect long term stability
- CE certificate

PCM510 Digital manometer has automatic turn-off function. LC display indicates the measurement value as well as the unit. This product is for indoor operating only.

CE

Pressure Range	
Nominal Range	-100kPa,35kPa, 70kPa, 100kPa, 250kPa, 400kPa, 600kPa, 1MPa, 1.6MPa, 2.5MPa, 4MPa, 6MPa, 10MPa, 16MPa, 25MPa, 40MPa,60MPa,100MPa
Pressure Reference	Gauge pressure   Absolute pressure   Sealed gauge pressure
Overpressure	300%F.S.( $\leq 70\text{kPa}$ )   200%F.S.( $< 25\text{MPa}$ )   150%F.S.( $\geq 25\text{MPa}$ )
Specification	
Accuracy(linearity, hysteresis and repeatability)	$\pm 0.5\%$ F.S.(Typical)
Power Supply	3.6V battery
Compensated Temp.	-10--70°C (typical)
Operating Temp.	0-85°C
Storage Temp.	-40-125°C
Zero Temp. Coefficient	$\pm 1.5\%$ F.S.max. ( -20-85°C)
Sensitivity Temp. Coefficient	$\pm 1.5\%$ F.S.max. ( -20-85°C)
Pressure port	see last page "how to order"
Housing material	Stainless steel 304 (SS316 for sensor inside)
Protection	IP65
Weight	350g(approx)

In mm



Pressure port

Thread	M20*1.5	M20*1.5	G1/2
Dimension in mm Hex 27mm			
Code	A1(with tube)	A2	A3

How to order

PCM510 XX—XX—XX—XX

Pressure range

Please write directly

Pressure reference

A: absolute pressure

G: gauge pressure

S: sealed gauge pressure

Snubber

K1: without snubber

K2: with snubber

Pressure connection

A1:M20\*1.5(with tube)

A2:M20\*1.5

A3:G1/2

A4: others (please specify)

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### 1. Overview

WTR16 digital manometer is battery powered. The LCD (liquid crystal display) can display five numbers. The display range is from -20000~20000. It has automatic turn-off function. Time can be selected according to customer's requirement.

### 2. Technical Specification







- (1) Battery: 3.6VDC lithium manganese ;
- (2) Display: -20000~20000;
- (3) Battery life: More than one year.

### 3. Working




Pressing any key turns the instruments on. It will automatically turns off 2 minutes after the last key operation.

### 4. Parameter Selection and Setting




#### (1)Unit Selection

Press “E”:  appears, Press “E”: “00” appears. Change the display number 00 to 55 by pressing “←” and “↑” key, Press “E”:  
 appears, Press “E” twice:  appears, Press “E” twice:  appears, Press “E” twice:  appears,  
Press “E” key to display unit. By “↑” key, display type can be adjusted. The unit type includes MPa、KPa、PSI、bar、°C and mH<sub>2</sub>O, Press “E”:  
 appears, Press “E” twice to enter measured value display interface.







#### (2)Zero and Full Scale Set

Press “E”:  appears, Press “E”: “00” appears. Change the display number 00 to 55 by pressing “←” and “↑” key, Press “E”:  
 appears, Press “E”: current position of decimal point appears (There is no decimal point in default system). The position of decimal point  
can be modified by pressing “↑” key, Press “E”:  
 appears, Press “E”: measured zero point appears. Measured zero point can be modified  
by pressing “←” and “↑” key. (The range is from -20000 to 20000. If the setting value goes beyond 20000, it will automatically drop to -20000), Press

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“E”: , Press “E”: full scale modification interface appears. Measured full scale can be modified by “←” and “↑” key. (The range is from -20000 to 20000, if the setting value goes beyond 20000, it will automatically drop to -20000), Press “E”:  appears, Press “E” twice:  appears, Press “E”: working time appears. The system default is 1 minute. Display time can be adjusted by “↑” and “←” key. The range is from 1 to 5 minutes. If the setting value is 0, it means the instrument is always working without entering resting state, Press “E” to reenter measured value display interface.


Example: Setting the pressure range from 0kPa to 50kPa. Two decimal places are required.

1. Press “E” key to “E” measuring interface.
2. Press “E” to “E”  interface.
3. Press “E” key to display 00. Change the display number 00 to 55 by pressing “←” and “↑” key.
4. Press “E” key to display .
5. Press “E” key to display 00000 and press “↑” key to change it to 0.00
6. Press “E” key to display .
7. Press “E” key and change the display number to the zero point of range 0.00 by pressing “←” and “↑” key.
8. Press “E” key to display .
9. Press “E” key and change the display number to the full scale of range 50.00.
10. Press “E” key to display .
11. Press “E” key to “E” unit selection interface. The system default is MPa.. Adjust the type to kPa by pressing “↑” key.
12. Press “E” key to display .
13. Press “E” key to display working time. The default is 1 minute. Please change it to the working time you need.

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14. Press “E” key again to reenter the measured value display interface.

**(3) Zero adjustment**

In measuring interface, press “E”,  appears. Press “E” again, “00” appears. Change the display number to 77 by pressing “←” and “↑” key. Press “E”, it move to zero adjustment interface. Then we can adjust the zero.