● **Description:**

The model PDG Series low cost digital pressure gauge offers the accuracy of a solid state sensor, while maintaining a low cost that results from its proprietary ASIC design. Its solid state design incorporates a pressure sensor and has no moving parts, ensuring a long life.
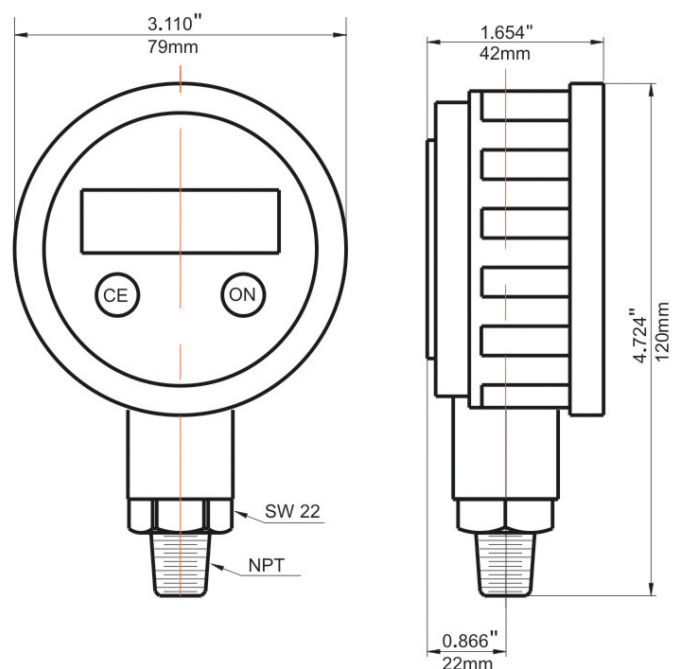
Ease of use and convenience are hallmarks of this product. The large LCD digital display eliminates the guess work in taking readings off an analog dial gauge. Null (CE) on model PDG Series is conveniently achieved by the push of a button. By default, pressure readings are displayed continuously for about 60 seconds, until auto shut-off. In addition, Model PDG Series operates on 2pcs battery (AAA#, 1.5V) or 1pcs square battery(9V).

● **Features:**

* Large 4-digital LCD display(48x16mm）

* ±1.0, 0.5, 0.25, FS accuracy(user demand)

* Power supply: 2PCS AAA battery with 1.5V, or 2pcs square battery with 9V

* Operating mode: processing, peak

* Power-mode: auto or man shut-off

* Low-battery indicating(≤2.6V)

● **Applications:**

* Ideal for commercial and industrial application in both test measurement and general purpose installations.

Specifications	
Dial	2.5"(63mm)
Case	ABS(φ66XH33mm)
Rubber Boots	Silicone rubber
LCD Display	48x16mm
Connection	1/4"NPT
Movement	SS304
Operating Life	1 million cycles
Power Supply	2PCS AAA battery with 1.5V, or 2pcs square battery with 9V
Power Mode	Auto or manual shut-off
Pressure Unit Selection	psi, inH$_2$O, mmHg, mbar, kPa ranges ≤ 100 psi
	psi, bar, kg/cm^2, MPa, atm ranges ≥ 160 psi
Operating / Storage Temperature	14ºF to 122ºF (-10ºC to 50ºC)
	-4ºF to 167ºF (-20ºC to 75ºC)
Operating mode selection	processing reading, peak reading
Proof pressure	200%FS
Burst pressure	300%FS
Zero Offset	1%FS
Full Offset	1%FS
Operating Temperature Range	-10~50°C
Storage Temperature Range	-20~65°C
Battery life	2 year(auto shut-off mode)
Accuracy	±1.0, 0.5, 0.25, FS accuracy(user demand)
Enclosure Rating	IP60

● PDG-1 Product Code for Normal Pressure

Dial size	2.5"(63mm)	
Normal pressure	Product Code	Pressure Unit Select
30"/0/150 psi	P9L34305N	
30"/0/200 psi	P9L34306N	
30"/0/300 psi	P9L34307N	
0/160 psi	P9L345N	psi
0/200 psi	P9L346N	
0/300 psi	P9L347N	MPa
0/600 psi	P9L348N	
0/1,000 psi	P9L349N	bar
0/1,500 psi	P9L3410N	
0/2,000 psi	P9L3411N	kgf/cm^2
0/3,000 psi	P9L3412N	
0/5,000 psi	P9L3413N	atm
0/10,000 psi	P9L3414N	
0/15,000 psi	P9L3415N	

● PDG-2 Product Code for Low Pressure

Dial size	2.5"(63mm)	
Low pressure	Product Code	Pressure Unit Select
30" Hg Vac	P9L3430VL	
30"/0/15 psi	P9L34301L	psi
30"/0/30 psi	P9L34302L	
30"/0/60 psi	P9L34303L	kPa
30"/0/100 psi	P9L34304L	
0/15 psi	P9L341L	inH$_2$O
0/30 psi	P9L342L	mbar
0/60 psi	P9L343L	
0/100 psi	P9L344L	mmHg

● Operating Method:

1. Press ON to power on in meter-off-status, hold press ON about 3s to power off in meter-on-status.
2. In metr-on-status, press CE to update the unit, and the number on LCD also will be updated.
3. In metr-on-status, press ON to light the backlight lamp after the backlight lamp is off.
4. In metr-on-status, hold press CE about 3s to clear zero reading data in processing-reading mode.
5. In metr-on-status, hold press CE about 3s to clear and get peak reading data in peak-reading mode.
6. In metr-on-status, if power supply is 2pcs AAA battery, 'Lo' will display on LCD window when the battery voltage less than 2.6V. can't power on the meter when the battery voltage less than 2.2V.

● Parameter Selection:

* Hold press CE button about 5 seconds at processing reading mode (PV-mode) after power on, the meter will turn on the set-value mode(SV-mode): user can update the below parameters:

1. Pressure unit

"tP-mP" or "tP-kP" will show on the LCD, for Normal Pressure, you can press the button ON to select 0~MPa, 1~PSI, 2~bar, 3~kg/cm^2; for Low Pressure, you can press the button ON to select 0~mH$_2$O, 1~mbar, 2~kpa.

2. Data-point position

"Pot*" will show on the LCD after press button CE, for Normal Pressure, you can press the button ON to select 2(**.**) or 1(***.*); for Low Pressure, you can press the button ON to select 3(**.**) or 2(**.**).

3. Operating mode(power mode)

"Off*" will show on the LCD after press button CE, you can press the button ON to select 0~auto shut-off mode, 1~man shut-off mode.

4. Measuring mode

"HL *" will show on the LCD after press button CE, you can press the button ON to select 0~processing reading mode, 1~peak reading mode.

| Meassuring-status | ← Displays processing_data or peak_data, determined by the parameter "HL" |

Hold on press CE for 6 second,
Displays:
tP-Mp(for PDG-1)
(tP-Kp for PDG-2)
into: Set-Value-status

← Displays 'tP-Mp' for Normal Pressure,
'tP-kP' for Low Pressure, is pressure-unit, don't update it.
Note: press CE can select the next pressure-unit, at meassuring status.
For Normal Pressure, the pressure-unit is Mpa, psi, bar, kg/cm$_2$
For Low Pressure, the pressure-unit is H$_2$O, mbar, kpa

Press CE,
Displays : Pot*

← Display 'Pot *', is data-point position
For Normal Pressure, can select 2(**.**) or 1(***.*), means the range is 1.0-90.0MPa。
For Low Pressure, can select 3(**.**) or 2(**.**), means the range is 10.0-900.0kpa。

Press CE,
Displays : OFF 0

← Display "Off*", is operating mode (power mode)
'0' – auto shut-off mode, auto turn off power after power on the meter,
for save the power.
'1' – man shut-off mode, man turn off power after power on the meter,
for keep the reading

Press CE,
Displays : HL 0

← Display 'HL 0', is measuring mode。
'0' – processing reading mode: the data in LCD is processing-data;
'1' – peak reading mode: the data in LCD is peak-data.

Press CE,
Return back measuring-status

← Press CE, return back measuring-status