Ordering Code

PG801C☐ ☐ — ☐-☐

Accuracy: A: 1% F.S B: 0.25% F.S
Range: Vacuum to 600Bar
Output: Blank: No output 300: 4-20mA 210: 0-10V
Thread Size: 1: Standard M20X1.5 2: G1/2 3: G1/4 & 1/4NPT
PG801C Series LCD Display Digital Pressure Gauge

Example: PG801C3-10Bar-B: means the DPG is in 1/4 NPT or G1/4 thread size, without output, measuring range is 0-10Bar and the accuracy is 0.25% F.S

Technical Data

Accuracy:	Silicon 0.25% F.S Ceramics: 1%
Power Supply:	3VDC Battery
Pressure Range:	Vacuum to 600Bar
Housing:	ABS
Operating Temperature:	-20 to 85 Degrees
Store Temperature:	-20 to 85 Degrees
Temperature Shift:	0.05% F.S per Degree
Size:	78mm dia
Engineering Unit:	Psi, Bar, MPa, KG/CM
Thread Size:	M20X1.5, G1/2, 1/4 NPT and others
Frontal Panel:	Polycarbonate, OEM available
Max Allowed Load:	RL less than 600 Ohm
Over Pressure:	200% of the Pressure Range, Less than 1200Bar
Burst Pressure:	400% of the Pressure Range, Less than 1200Bar
Output:	4-20mA or 0-10V (If have)
IP Rate:	IP66
Weight:	Abt. 500G

Panel Illustration

1. 4 digits displaying pressure value
2. Displaying engineering pressure unit
3. ⬡ key: Power On-Off/Set 4. ⬡ key: Zero/Up Arrow
5. ⬡ key: Menu/Down Arrow

Operation Process

⬡ Undermention **ZERO** or ▲ key

⬡ Undermention **SET** or **ON/OFF** key

⬡ Undermention **MENU** or ▼ key

A. Turn the gauge ON/OFF

Pressure and hold **ON/OFF** for 2 seconds will turn on the gauge.
In the measuring status, pressure and hold **ON/OFF** for 2 seconds will turn off the gauge.

B. Zero Function

After turn on the gauge, Press and hold **ZERO** key for 2 seconds, the digits will flashing and then stop to value "0.0".

⚠ Even the gauge already display "0.0" after turn on, the user still need excute this function. Because for example the real value is 0.05, it still displays "0.0".

⚠ In case there is a pressure input to the gauge, please pay attention don't excute the function. Otherwise inaccuracy will be caused.

C. Programming:

To enter menu mode/Quit menu mode:

1. Press and hold **MENU** for 2 seconds to proceed to programming mode.
2. Press ▲ and ▼ , to scroll through programmable menu options.
3. When reach the wanted option, press **SET** to access that parameter.
4. The gauge will return measure mode without key operation for 25 seconds.

D. Programming Parameters:

MAX pressure value

1. Press and hold **MENU** for 2 seconds entering menu mode. " *nAY* "
2. Pepress ▲ and ▼ to scroll to the Max parameter " *nAY* ".
3. If you want to read the max value, press **SET** key, LCD displays the value. If you don't want to read the value, press ▼ go to the next parameter MIN " *nIn* "
4. When LCD displays the max value, If you want to clear this value, then press and hold **SET** for 2 seconds, the value will flashing and then stop to "0.0". The max value have been cleared and go to the next parameter MIN" *nIn* ".

MIN pressure value

1. Press and hold **MENU** for 2 seconds entering menu mode. " *nIn* "
2. Pepress ▲ and ▼ to scroll to the MIN parameter " *nIn* ".
3. If you want to read the min value, press **SET** key, LCD displays the value. If you don't want to read the value, press ▼ go to the next parameter UNIT " *Unit* "
4. When LCD displays the min value, If you want to clear this value, then press and hold **SET** for 2 seconds, the value will flashing and then stop to "0.0". The min value have been cleared and go to the next parameter UNIT " *Unit* ".

UNIT engineering unit

1. Press and hold **MENU** for 2 seconds entering menu mode. " *Unit* "
2. Pepress ▲ and ▼ to scroll to the UNIT parameter " *Unit* ".
3. If you want to read the unit, press **SET** key, the set unit appears. If you don't want to modify the unit, press ▼ go to the next parameter BACK " *BACY* ". If you want to modify the unit, press ▲ to scroll and select the unit you desired. And then press and hold **SET** for 2 seconds, the LCD will flashing. The new unit set well after stop flashing, then go to the next parameter BACK " *BACY* ".
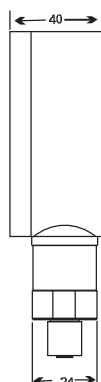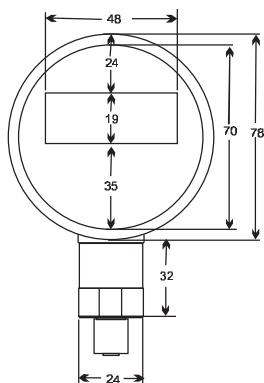
BACK back light remain ON

1. Press and hold **MENU** for 2 seconds entering menu mode. " *BACY* "
2. Pepress ▲ and ▼ to scroll to the BACK parameter " *BACY* ".

SET ▼

return to the measure mode. If you want to modify the time, press ▲ to scroll and select the unit you desired. (There are 5, 10, 30 and 00 for option. "00" means the back light will be always on.) Then press and hold **SET** for 2 seconds, the value will flashing, the new value set well after stop flashing. Then return to measure mode.

Dimension Size

48
24
19
70 78
35
32
24

40
24

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