

NEW-FLOW

**ISO 9001
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NEW-FLOW

MANUFACTURE OF DIGITAL PRESSURE GAUGE 1.5"
DPG3600 SERIES
AND CONTROL INSTRUMENTS

1.5"數字型壓力計操作說明書

Instruction Manual



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1.0 INTRODUCTION & DESCRIPTION

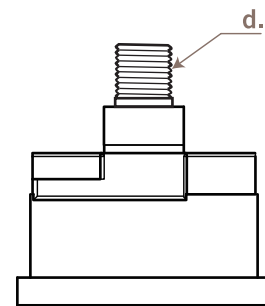
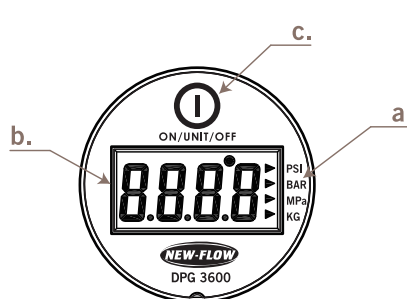
Technical Data 規格說明

型號 Model	DPG3600- Economy Type
壓力量測範圍 Pressure Range	0~150 psi
破壞壓力 Burst Pressure	2 x F.S
壓力精度 Accuracy	±1% F.S. (@22~28°C) ±2% F.S. (@-10~60°C)
適用流體 Fluid	Clean Air / 乾淨空氣
單位 Unit	PSI, BAR, Kg/cm ² , MPa
解析度 Resolution	0.1 Psi, 0.01 Bar, 0.001 Mpa, 0.01 Kg/cm ²
壓力顯示更新速度 Sampling Rate	1 Sec. (Typical), 1.2 Sec. (Max.)
電源電壓 Power Supply	Battery CR2450 (3.0V, 500mAh)
消耗電流 Consumption Current	Peak Value<750uA, Average Current<50uA 峰值電流小於750uA，平均電流小於50uA
電池壽命 Battery Life	1 year for continuous use 連續開機1年
使用溫度 Operating Temp.	-10°C~+60°C (Non-Freeze / 非結冰狀態)
保存溫度 Conservation Temp.	-20°C~+70°C (Non-Freeze / 非結冰狀態)
使用濕度 Operating Humidity	35~85%
保存濕度 Conservation Humidity	35~85%
壓力接頭 Port Size	1/8"NPT, 1/4"NPT Male, option available

Button Function 按鍵功能

單位切換鍵 / 關機鍵
Unit Conversion Button / OFF Button

a.	Unit / 單位
b.	LCD Display / 數字顯示
c.	Unit Conversio & OFF Button / 單位切換及關機鍵
d.	Port Connection / 接頭



2.0 INSTRUCTION & NOTICE

Instruction Steps 操作步驟

1. 每按一下按鍵，可轉換成另一單位。
2. 按住按鍵約3秒以上，可將壓力錶關機。(長期不使用建議關機，以延長電池的壽命)
3. 若在關機狀態下，可按一下按鍵開機，開機約1秒後，立即顯示當時壓力。
4. 當電池電量過低，LCD會顯示“Lob”，約3秒後自動關機。
5. 若再次開機，仍是發生相同情況，請更換電池。

1. Press the button to change the unit.
2. Press and hold the button for 3 seconds to OFF the pressure gauge. (Please shut-off the gauge if not using for a long time to extend the life of battery.)
3. Under the OFF state, press the button to make the gauge ON. In a second, the gauge displays the pressure value immediately.
4. LCD displays “Lob” that means the power of battery is shortage, and shut-off automatically about 3 seconds later.
5. Make the gauge ON again, if it is still shut-off again, please replace the battery.

Zero Adjustable 壓力歸零

1. 請先將壓力錶關機。
2. 按住開關不放，約5秒後LCD顯示“8.8.8.8”，然後放開按鍵，約3秒後，即完成壓力歸零。
(注意: 壓力錶接在管路上時，嚴禁做壓力歸零。)

1. Shutdown the pressure gauge at the first.
2. Press and hold the button for 5 seconds, the LCD will display “8.8.8.8”. And then, release the button about 3 seconds later, the pressure will be back to zero.
(NOTE.: Do Not adjust to zero when the gauge connects with the pipeline.)

Notice 注意事項

1. 壓力錶接在管路上時，嚴禁做壓力歸零。
 2. 第一次裝上管路前，或更換新電池後，建議將壓力錶置於大氣壓力下歸零，以校正環境壓力的誤差，確保壓力錶精度。
 3. 更換電池時請小心，勿將連結於上下殼間的電線拉斷。
1. Do Not adjust to zero when the gauge connects with the pipeline.
 2. We suggest to adjust the gague to zero under the atmospheric pressure before connecting with the pipeline, or after replcing the battery. This is in order to calibrate the inaccuracy and insure the accuracy.
 3. Please be careful not to pull the wire apart which connecting the top cover and housing case when you replace the battery.

3.0 REPLACE BATTERY

Replace Battery 更換電池

1. 請使用十字螺絲起子將壓力錶背面的兩顆螺絲鬆開。
2. 輕輕的分開上下殼，並將電路版上的CR2450電池取出。
3. 裝上新電池，請注意電池上標示的極性(電池大平面為正端)，將電池正端朝上，負端朝下，裝入電池座內，並確定電池穩固於電池座上。
4. LCD此時會顯示壓力值，若LCD有顯示，表示安裝正確。
5. 若完全無畫面，請檢查電池極性，若安裝正確，請取出電池，量測電壓是否大於3.0V。或更換另一顆新電池試試看。
6. 若正常顯示後，請結合上下殼，注意上殼的半圓型凸點，須對到下殼的半圓型凹槽，才能確實結合，再鎖上螺絲即完成。
(注意:更換電池請小心不要將連結於上下殼間的電線拉斷。)

1. Loosen the two pieces of screws on the back cover by cross-head screwdriver.
2. Separate the cover and case softly, and take the CR2450 battery out from the circuit board.
3. Replace the new battery. Please notice what the polarity marked on the battery (Flat side is the positive electrode). Put the battery into the holder and make the battery of positive face up and the negative face down, and confirm the battery is securely in the battery holder.
4. The pressure value will be displayed on the LCD at this moment if the assembled is correct.
5. If no display, please check the polarity of battery at the first. If it is no problem about the assembled, please take out the battery, and check that whether the voltage is greater than 3.0V or not. Or, try to replace another battery again.
6. Confirmed everything is done and no problem, please combine the top cover with the housing case. The combination point is the semi-circular convex on the top cover must be matched with the semi-circular concave on the housing case, and then tighten the screws is complete.
(NOTE.: Please be careful not to pull the wire apart which connecting the top cover and housing case when replace the battery.)

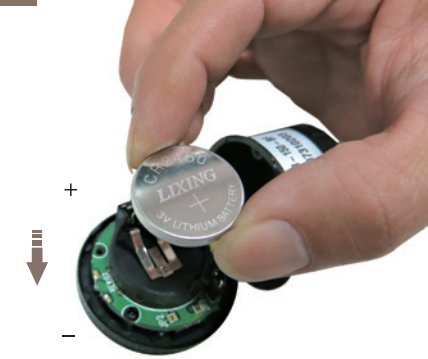
Item 1.



Item 2.



Item 3.



Item 4.



Item 6.

