

NEW-FLOW

**ISO 9001
REGISTERED**

NEW-FLOW

MANUFACTURE OF DIGITAL COMPOUND
PRESSURE GAUGE 1.5"
DPG3650 SERIES
AND CONTROL INSTRUMENTS

1.5"冷媒用數字型連成計操作說明書

Instruction Manual



NEW-FLOW TECHNOLOGIES, INC.

No.9 Lane 133, Xing-Hua St., Chien Chen Dist., Kaohsiung 806, Taiwan

TEL: 886-7-8135500 FAX: 886-7-8225588 / 8159758

Email: info@new-flow.com www.new-flow.com

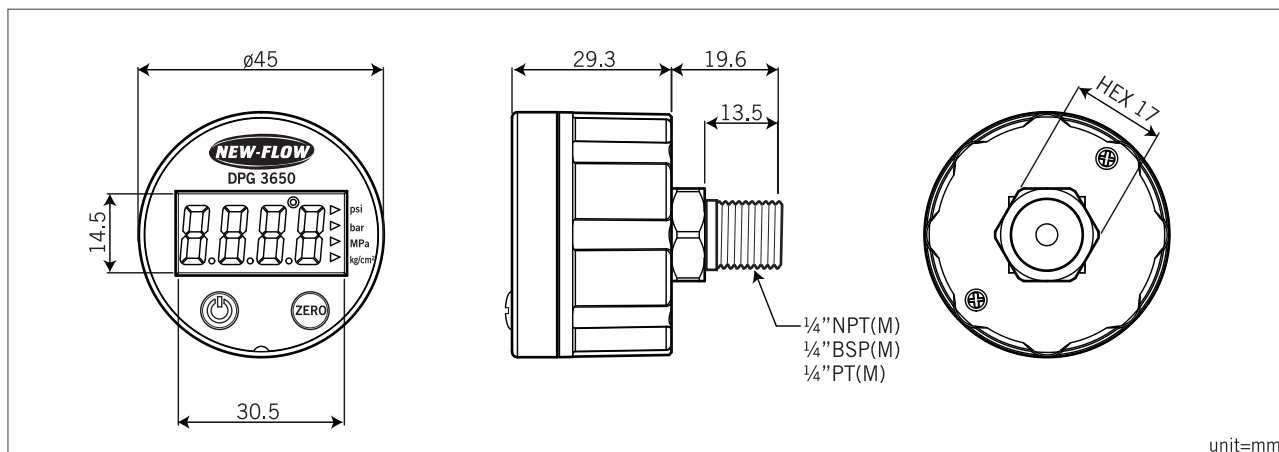
1.0 INTRODUCTION & DESCRIPTION

Technical Data 規格說明

型號 Model	DPG3650
壓力量測範圍 Pressure Range	-0.1~5 MPa / 0~40 MPa
破壞壓力 Burst Pressure	2 x F.S
壓力精度 Accuracy	(for 0~5 MPa): ±0.5% F.S. (@25±3°C) (for 0~ -0.1 MPa): ±0.01% F.S. (@25±3°C) (≤20 MPa): ±0.5% F.S. (@25±3°C) (>20 MPa): ±1.0% F.S. (@25±3°C)
適用流體 Fluid	Gas and Liquid / 氣體或液體
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	1.2 Sec. (Max.)
電源電壓 Power Supply	Battery CR2450 (3.0V, 500mAh)
電池壽命 Battery Life	1 year for continuous operation without back light 連續開機1年無背光的情況下
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 Working Humidity	35~85% RH
自動關閉 Auto-Off	10 minutes auto off or disable auto off 10分鐘自動關閉或禁用自動關閉
壓力接頭 Port Size	¼"NPT male, and BSP or PT

Button Function 按鍵功能

ON/OFF (SW1)	Start ON/OFF / 開始、關閉
ZERO/Reset (SW2)	Re-Zero / Back-Light / 歸零、背光



2.0 OPERATION

Instruction Steps 操作步驟

1. 按SW1選擇單位。
 2. 按住SW1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SW1按鍵開機，開機約2~3秒後，立即顯示當前的壓力。
 4. 按SW2按鍵開啟背光。5秒後背光將自動關閉。
 5. 按住SW2按鍵3秒以上，螢幕顯示“8.8.8.8”約3秒鐘，之後儀表的壓力將重置為零。
壓力錶接在管路上時，嚴禁做壓力歸零。
 6. 當電池電量不足(<2.5V)時，LCD將顯示“Lob”，約3秒後自動關機。即使再次按下SW1，LCD也會顯示“Lob”約3秒鐘，然後自動關機。請更換電池。
 7. 自動關閉功能：
啟用(on)：儀表將在10分鐘後自動關閉
啟用(off)：禁用自動關閉功能
 - a.) 默認設置為自動關閉(啟用on)，用於組裝新電池。
 - b.) 打開電源時，按住兩個鍵約3秒以上。如果LCD顯示“-on-”約2秒左右，則自動關閉功能設置為啟用(on)。如果LCD顯示“-Off”約2秒左右，則自動關閉功能設置為啟用(off)。
1. Press SW1 to select the unit.
 2. Press and hold SW1 for 3 seconds to shut down the meter so that it may extend battery life.
 3. If the meter is powered off, press SW1 to power on. It will show the current pressure after 2~3 second later.
 4. Press SW2 to activate backlight. The backlight will automatically be turned off after 5 seconds.
 5. Press and hold SW2 for 3 seconds. The display shows “8.8.8.8” for around 3 seconds and then the pressure of the meter will be reset to zero. Be careful not to re-zero as the meter is connected to a pipe.
 6. If the battery power is not enough (<2.5V), the LCD will show “Lob” for around 3 seconds and then be powered off automatically. Even press SW1 again, the display will show “Lob” for around 3 seconds and then be powered off automatically. Please replace battery.
 7. **Auto-Off Function:**
Enable (on): meter will auto-off after 10 minutes
Enable (off): disable Auto-Off function
 - a.) The default setting is Auto-Off (Enable-on) as assembling new batteries.
 - b.) As power on, press and hold both keys up to 3 seconds. If the display shows “-on-” around 2 seconds, the Auto-Off function is set to enable (on). If the display shows “-Off” around 2 seconds, the Auto-Off function is set to enable (off).

Replace New Battery 更換新電池步驟

1. 鬆開儀表背面的2個螺絲。
 2. 輕輕分離頂部/底部外殼並取下CR2450電池。
 3. 更換新電池，並請注意它的電極。
 4. 若安裝正確，LCD將顯示當前壓力。
 5. 若LCD上沒有顯示，請檢查電池的極性或電源電壓(最高3V)。
 6. 若LCD正常，請組裝頂部/底部外殼。小心使用頂殼上的凸起點對齊組裝底殼上的凹槽。
1. Loosen the 2 screws on the back of the meter.
 2. Depart the top/bottom case slightly and take off the CR2450 battery.
 3. Replace new battery. Please watch out its polarity.
 4. The display will show the current pressure if the installation is correct.
 5. If no display on LCD, check the polarity of battery, or power voltage (up to 3V).
 6. Assemble the top/bottom case if the display is normal. Be careful of assembling by using the raised point on the top case to align the fillister on the bottom case.

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 run the re-zeroed function as the meter is connected to a pipe.
 2. Please replace new battery before the first installation. We suggest that performing re-zero function in the atmosphere to reduce the error due to environmental pressure to improve the pressure accuracy.
 3. Please be careful not the pull off the wire connected between the top and bottom case.