

2.5"數位式壓力控制錶 (DIGITAL PRESSURE CONTROLLER METER 2.5")

MODEL
SPD3



■特點(FEATURES)

- 高警報效果,當警報動作時顯示幕自動變換顏色(紅/綠色)
(Auto. change red or green display when alarm status changes)
- 精確度0.25%滿刻度 (Accuracy 0.25% F.S.)
- 感測頭使用陶瓷壓阻式壓力元件配合不鏽鋼(SUS316)材質
(Thick film strain gage on ceramic and stainless steel(SUS316))
- 7種壓力單位可任意設定(Display pressure units bar, Kg/cm²,KPa,MPa,PSI,mmHg,inHg can be modified)
- 2組警報功能(Dual alarm function)(optional)
- 16BIT 類比輸出功能(16 bit DAC analog output function)(optional)
- 數位RS-485界面(Digit RS-485 interface function)(optional)
- 防護等級NEMA4/IP65(Protection class NEMA4/IP65,need enclosure don't directly used outdoors)

1.MODEL:SPD3-□□□□□ (選購型號)

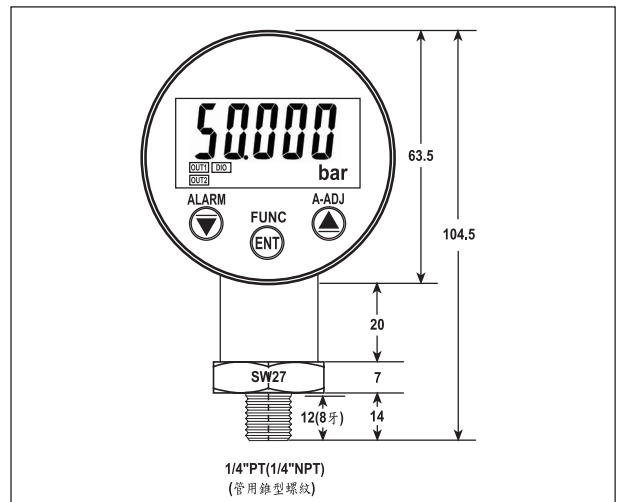
| NO | Pressure Range | NO | Alarm Output | NO | Analog Output | NO | RS-485 Output | NO | Pressure connection | NO | Cable length |
|----|----------------|----|--------------|----|---------------|----|---------------|----|---------------------|----|--------------|
| 1 | -1~2 bar | 0 | None | 0 | None | N | None | 1 | 1/4"PT | 2 | 2M(standard) |
| 2 | -1~10 bar | 1 | Two tr.(NPN) | 1 | DC1~5V | Y | RS-485 | 2 | 1/4"NPT | 9 | Customer |
| 3 | 0~50 bar | 2 | Two tr.(PNP) | 2 | DC4~20mA | | | 3 | 1/2"NPT | | |
| 4 | 0~250 bar | 3 | Two Relay | 9 | Customer | | | | | | |

●Modbus mode
●256 nodes on bus

2.SPICIFICATION (主要規格)

- Supply voltage(Power consumption) :DC 14 to 30V(<1.26VA)
(電源輸入(消耗功率))
- Measuring accuracy : 0.25% F.S.
(精確度)
- Readout (compare) range : -19999~99999 digit
(顯示值(比較值)範圍)
- Indication(sampling) cycle : 0.1s~9.9s can be modified
(顯示時間週期)
- Maximum permissible over pressure : Maximum 2 x rated (<60Bar)
Maximum 1.5 x rated (>60Bar)
(最大允許過載壓力)
- Burst pressure : 3 x rated (<160Bar)
1.8 x rated (>250Bar)
(破壞壓力)
- Relay output mode : HI/LO/GO/HL can be modified
(繼電器輸出模式)
- Relay contact output : AC250V-2.5A,DC30V-5A
(繼電器容量)
- Transistor output : Max. DC60V/100mA
(電晶體輸出容量)
- Analog output resolution : 16 bit DAC
(類比輸出解析度)
- Response time : < 50ms(0~90%)
(輸出反應速度)
- Output drive capability : <10mA for voltage mode
<10V for current mode
(輸出負載能力)
- RS-485 address : "01"~"FF"(0~255)
(通訊位址)
- RS-485 baud rate : 19200/9600/4800/2400 selective
(傳輸速率)
- RS-485 protocol : Modbus RTU mode
(通訊協議)
- Thermal span shift : ±0.05% F.S./10°C
(熱感度溫度漂移)
- Thermal zero shift : ±0.05% F.S./10°C
(熱零點溫度漂移)
- Zero point long term stability : ±0.1% F.S./year(<60 Bar)
±0.15% F.S./year(>60 Bar)
(零點長期穩定度)(23 ± 5°C)
- Display : Bright red/green LEDS high 10.16mm (0.4")
(顯示幕)
- Parameter setting : Touch switches
(參數設定方式)
- Memory mode : Non-volatile E² PROM memory
(記憶型式)
- Diaphragm materials : Ceramic Al₂O₃-96%
(壓力感應膜片材質)
- Pressure port materials : Stainless steel 1.4401(SUS316)
(壓力接口材質)
- Seale(media wetted)materials : NBR<16Bar
PVDF>16Bar
(密封材質)
- Display housing materials : NYLON66+PBT+15%GF(UL94V-0)
(顯示器本體材質)
- Operating temperature range : -10 to 60°C
(工作溫度)
- Storage & medium temperature range: -30 to 80°C
(儲存與接液溫度)
- CE EMC Certification : EN 55022:1998/A1:2000 Class A
EN 61000-3-2:2000
EN 61000-3-3:1995/A1:2001
EN 55024:1998/A1:2001
(CE 認證)

3.DIMENSION(unit:mm) (外型尺寸)



4.CONNECTION DIAGRAM (接線圖)

