

壓力傳送器(無壓區域自動追蹤補償功能)

(PRESSURE TRANSMITTER)(Auto-tracing compensation zero-area function)

MODEL
SP



(Auto-tracing)



■特點(FEATURES)

- 精確度0.25%,0.5%,滿刻度 (Accuracy 0.25%,0.5%, F.S.)
- 獨創無壓力區域自動追蹤補償功能 (Auto-tracing compensation for zero-area pressure(<0.15%F.S.))
- 寬範圍(-25~+85°C)溫度完全補償功能(Field-temperature compensation function(-25 to +85°C))
- 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))
- 壓力範圍-1至250 bar(Pressure range from -1 to 250 bar)
- 超快速反應時間小於5ms(Response time <5milli seconds)
- 輸出DC4~20mA負載能力強(Output DC4~20mA RL(max.)<[(Vs-10V)/0.02A]Ω)
- 防護等級NEMA4/IP65(Protection class NEMA4/IP65)

1.MODEL:SP-□ □ □ □ - □ □

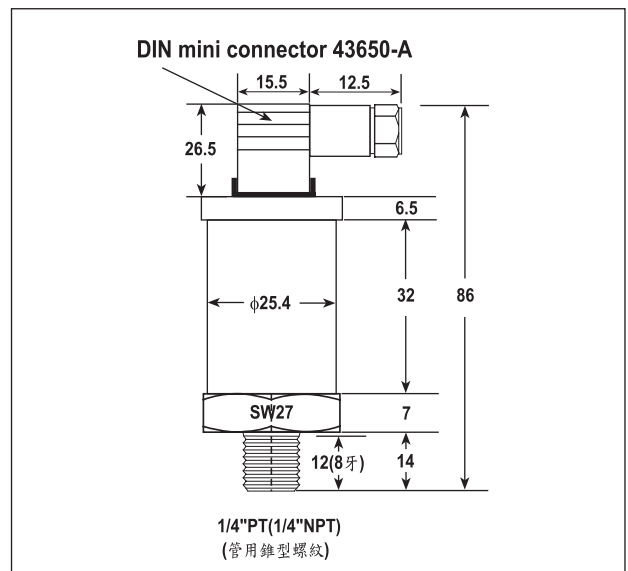
(選購型號)

NO	Pressure Type	NO	Pressure Range	NO	Pressure Range	NO	Pressure Range	NO	Pressure Range	NO	Accuracy	NO	Pressure connection
G	Gauge	1001	0~1.0 bar	6001	0~6.0 bar	6002	0~60 bar	x102	-1~0 bar	A	0.5% F.S.	1	1/4"PT
A	Absolute	1601	0~1.6 bar	1002	0~10 bar	1003	0~100 bar	xxxx	Customer	B	0.25%F.S.	2	1/4"NPT
		2501	0~2.5 bar	1602	0~16 bar	1603	0~160 bar					3	1/2"NPT
		4001	0~4.0 bar	4002	0~40 bar	2503	0~250 bar						

2.SPICIFICATION (主要規格)

- Two-wire supply voltage input (兩線式工作電壓輸入) : DC 10 to 30V
- Auto-tracing compensation range (無壓力區域自動追蹤補償範圍) : < 0.15%F.S.
- Maximum permissible over pressure (最大允許過載壓力) : Maximum 2 x rated(<160Bar)
Maximum 1.5 x rated(>160Bar)
- Burst pressure (破壞壓力) : 3 x rated (<100Bar)
2.25 x rated (>100Bar)
- Response time (輸出反應速度) : <5ms (10-90%)
- Output drive capability (輸出負載能力) : <[(Vs-10V)/0.02A]Ω
- Output ripple(p-p) (輸出漣波) : <0.1% F.S.
- Diaphragm materials (壓力感應膜片材質) : Ceramic Al2O3-96%
- Pressure port materials (壓力接口材質) : Stainless steel 1.4401(SUS316)
- Housing materials (壓力本體材質) : Stainless steel 1.4301(SUS304)
- Seale(media wetted)materials (密封材質) : NBR<16 Bar
PVDF>16 Bar
- Electronic connection (電氣接頭) : DIN mini connector 43650-A
(Protection class IP65)
- Thermal span shift (熱感度溫度漂移) : ±0.04% F.S./10°C (Accuracy=±0.5% F.S.)
±0.02% F.S./10°C (Accuracy=±0.25% F.S.)
- Thermal zero shift (熱零點溫度漂移) : ±0.04% F.S./10°C (Accuracy=±0.5% F.S.)
±0.02% F.S./10°C (Accuracy=±0.25% F.S.)
- Zero point long term stability (零點長期穩定度)(23±5°C) : ±0.2% F.S./year(<160 Bar Accuracy=±0.5% F.S.)
±0.3% F.S./year(>160 Bar Accuracy=±0.5% F.S.)
±0.1% F.S./year(<160 Bar Accuracy=±0.25% F.S.)
±0.15% F.S./year(>160 Bar Accuracy=±0.25% F.S.)
- Repeatability (重複性) : < ±0.1% F.S.
- RFI protection (RFI保護) : 2W-150MHz at 2 meter causes less than 0.5% change in output
- Operating temperature range (工作溫度) : -25 to 85°C
- Storage & medium temperature range (儲存與接液溫度) : -40 to 125°C
- CE EMC Certification (CE 認證) : EN 55022:1998/A1:2000 Class A
EN 61000-3-2:2000
EN 61000-3-3:1995/A1:2001
EN 55024:1998/A1:2001

3.DIMENSION(unit:mm) (外型尺寸)



4.TERMINAL CONNECTION (接線圖)

