

壓力傳送器

(PRESSURE TRANSMITTER)

MODEL
SP



特點(FEATURES)

精確度±0.25%,±0.5%,滿刻度 (Accuracy ±0.25%,±0.5%, 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))
 壓力範圍-1至400 bar(Pressure range from -1 to 400 bar)
 超快速反應時間小於1ms(Response time < 1millisecond)
 寬範圍工作電壓直10至30伏特(Field-rangable supper voltage from 10 to 30 Vdc)
 輸出負載能力強(RL(max.)<[(Vs-9V)/0.02A] , up to 750 ohms at 24Vdc
 防護等級NEMA4/IP65(Protection class NEMA4/IP65)

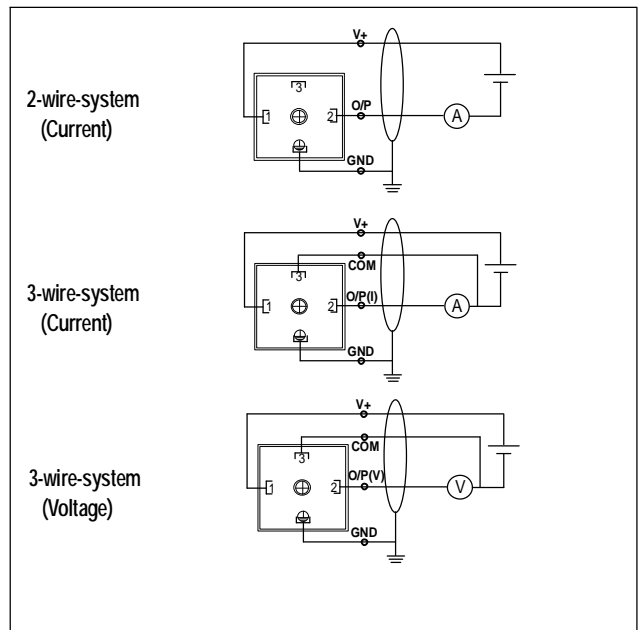
1.MODEL:SP- (選購型號)

NO	Pressure Type	NO	Pressure Range	NO	Pressure Range	NO	Pressure Range	NO	Accuracy	NO	Output Range	NO	Pressure connection
G	Gauge	1001	0~1.0 bar	1602	0~16 bar	2503	0~250 bar	A	±0.5% F.S.	1	DC4~20mA(2-wire-system)	1	1/4"PT
A	Absolute	1601	0~1.6 bar	2502	0~25 bar	4003	0~400 bar	B	±0.25%F.S.	2	DC0~20mA(3-wire-system)	2	1/4"NPT
		2501	0~2.5 bar	4002	0~40 bar	x102	-1~0 bar			3	DC1~5V(3-wire-system)	3	1/2"PT
		4001	0~4.0 bar	6002	0~60 bar	xxxx	Customer			4	DC0~10V(3-wire-system)	4	1/2"NPT
		6001	0~6.0 bar	1003	0~100 bar					5	Customer (3-wire-system)	9	Customer
		1002	0~10 bar	1603	0~160 bar								

2.SPICIFICATION (主要規格)

Supply voltage (電源輸入) : DC10 to 30V(Output=DC4~20mA/0~20mA/1~5V)
 DC14 to 30V(Output=DC0~10V)
 Maximun permissible over pressure (最大允許過載壓力) : Maximun 2 x rated (<160Bar)
 Maximun 1.5 x rated (>250Bar)
 Burst pressure (破壞壓力) : 3 x rated (<160Bar)
 1.8 x rated (>250Bar)
 Response time (輸出反應速度) : <1ms (10-90%)
 Output drive capability (輸出負載能力) : <[(Vs-9V)/0.02A] (Current 2-wire)
 <[(Vs-6V)/0.02A] (Current 3-wire)
 >1K (Voltage 3-wire)
 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) : PVDF
 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 (Accuracy=±0.5% F.S.)
 ±0.02% F.S./10 (Accuracy=±0.25% F.S.)
 Thermal zero shift (熱零點溫度漂移) : ±0.04% F.S./10 (Accuracy=±0.5% F.S.)
 ±0.02% F.S./10 (Accuracy=±0.25% F.S.)
 Zero point long term stability (零點長期穩定度)(23 ±5) : ±0.2% F.S./year(<160 Bar Accuracy=±0.5% F.S.)
 ±0.3% F.S./year(>250 Bar Accuracy=±0.5% F.S.)
 ±0.1% F.S./year(<160 Bar Accuracy=±0.25% F.S.)
 ±0.15% F.S./year(>250 Bar Accuracy=±0.25% F.S.)
 Repeatability (重複性) : < ±0.1% F.S.
 Operating temperature range (工作溫度) : -25 to 85
 Storage & medium temperature range (儲存與接液溫度) : -40 to 125
 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.TERMINAL CONNECTION (接線圖)



4.DIMENSION(unit:mm) (外型尺寸)

