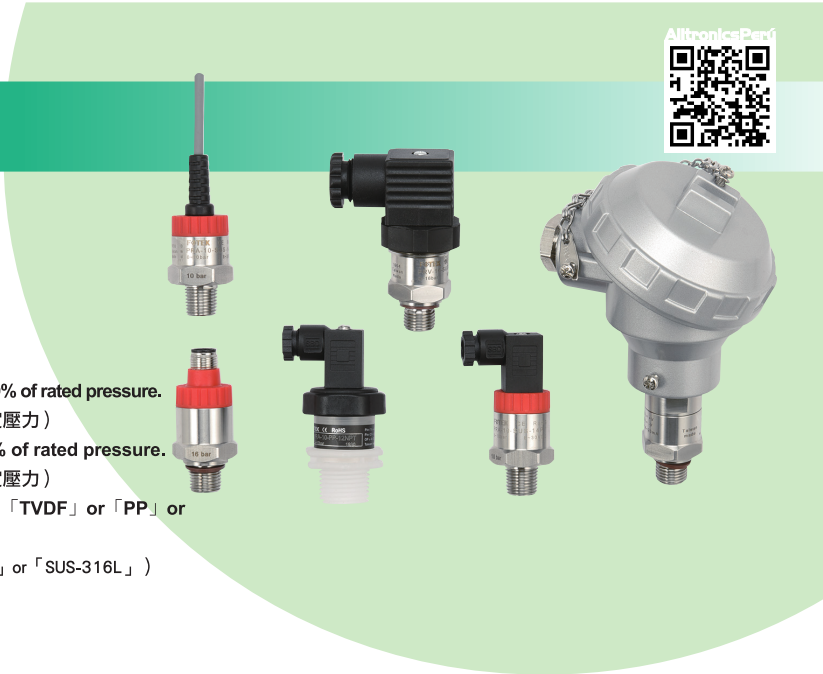


# PRA & PRV series



## Compact Pressure Transmitter 堅固型壓力傳送器



- Ceramic pressure sensor suited to chemical fluids  
(陶瓷壓力感測器適用各種化學液體)
- Accuracy less than  $\pm 0.5\%$  of F.S.  
(誤差小於  $\pm 0.5\%$ )
- Repeatability less than  $\pm 0.2\%$  of F.S.  
(重複誤差小於  $\pm 0.2\%$ )

- Overload pressure over 200% of rated pressure.  
(最大過載壓力超過2倍額定壓力)
- Burst pressure over 300% of rated pressure.  
(最大破壞壓力超過3倍額定壓力)
- Wetted port material with 「TVDF」 or 「PP」 or 「SUS-316L」  
(接口材質有TVDF或「PP」或「SUS-316L」)

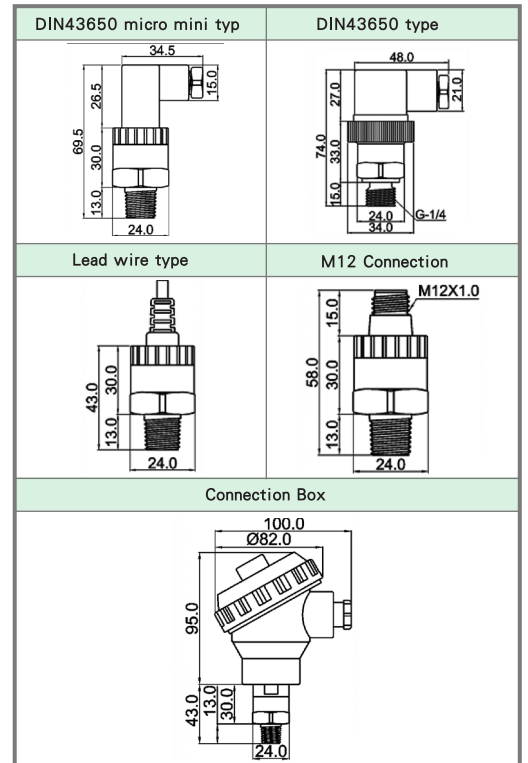
### Model guiding / 型號索引

		<b>PRA - 01 - TF - 14PTL - M12</b>					Other pressure range are accepted to manufacture. 其他壓力範圍的傳送器接受訂製。	
		1	2	3	4	5		
1	Series 系列	「PRA」: O/P = 4-20mA 「PRV」: O/P = 0 - 10V or 0-5V or 1-5V or 1-6V				3	Port material 接口材質	「TF」= PVDF 「SUS」= SUS-316L 「PP」= PP
2	Pressure range 量測範圍	「N1」: Range = -1.0 -0.0 Bar 「C1」: Range = -1.0 -+1.0 Bar 「P6」: Range = 0 - 0.6 Bar 「01」: Range = 0 - 1.0 Bar 「06」: Range = 0 - 6.0 Bar 「10」: Range = 0 - 10.0 Bar		「16」: Range = 0 - 16.0 Bar 「30」: Range = 0 - 30.0 Bar 「100」: Range = 0 - 100 Bar 「250」: Range = 0 - 250 Bar 「400」: Range = 0 - 400 Bar 「600」: Range = 0 - 600 Bar		4	Press connection 接口方式	「14PT」= PT 1/4" -4.2 Φ 「14PTL」= PT 1/4" -8 Φ 「14GS」= G 1/4" -0.6 Φ 「18PT」= PT 1/8" 「14PTS」= PT 1/4" -0.6 Φ 「14G」= G 1/4" -4.2 Φ 「14GL」= G 1/4" -8 Φ 「12NPT」= NPT 1/2"
						5	Connection 出線方式	「non」= DIN 43650A micro mini 「BX」= Connection box 「2M」= 2m lead wire 「LM」= DIN 43650 「M12」= M12 connector 「0.5M」= 0.5m lead wire

### Specification / 規格

### Outline / 外形尺寸

Series 系列	系列	PRA-□□□	PRV-□□□
Output method 輸出方式		4 ~ 20mA	0 ~ 10V
Voltage 工作電壓		8 ~ 30VDC (2 wires)	12 ~ 30 VDC (3 wires)
Load 負載阻抗		75 Ω/12V or 600Ω/24V max	10K Ω min.
Pressure range 量測範圍		600 bar max.	
Accuracy 線性精度		$\pm 0.5\%$ of F.S. max. (standard)	
Repeatability 重複精度		$\pm 0.2\%$ of F.S. max.	
Response time 反應時間		1 ms max.	
Pressure port temperature 壓力接口溫度		-40°C ~ +125°C	
Operation circumstance 工作環境		-25°C ~ +85°C ; 85%RH max. (Condensation permitted)	
Thermal drift 溫度飄移		$\pm 0.02\%$ of F.S. per °C max.	
Zero long term stability 零點長期穩定度		$\pm 0.15\%$ per year max.	
Overload pressure 最大過載壓力		200% of rated pressure max.	
Burst pressure 最大破壞壓力		300% of rated pressure max.	
Diaphragm material 壓力膜片材質		Ceramic Al <sub>2</sub> O <sub>3</sub> (96%)	
Pressure port material 接口材質		SUS-316L or PVDF or PP or PVC	
Cover material 上蓋材質		Nylon	
O-ring material 密封材質		VITON	
Connection 接線方式		DIN43650A micro mini or M12 connector or Lead wire optioned	
Dielectric strength 電介強度		2.5kv / 1 minute min.	
Insulation strength 絕緣強度		100 MΩ / 500vdc	
Certification 安規		CE & RoHS	
Protection class 保護等級		IP-65	



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### Connection diagram / 輸出回路及接線圖

