



Taiwan Schemik Corp

壓力計類 PRESSURE GAUGES



旋蓋式充油壓力計

Liquid filled pressure gauge-bayonet lock

適用於具有持續振動，壓力脈動和非腐蝕性的條件存在之場合；例如 柴油引擎，工具機，液壓系統，空調系統設備等。依據 EN837-1 規範製作

Instruments designed for use on machines and equipment where pulsating pressures or mechanical vibrations are apparent. They can be used with gaseous or liquid media which do not corrode copper alloy.

Manufacture by the EN837-1 standard



規格說明

型號：P23

面徑：100 mm (4")

精度：± 1.0% F.S

壓力範圍：-76cmHg~1000kg/cm² 或換算相當單位的壓力

工作壓力：壓力最大可用至全刻度的 75%

超壓限制：壓力最大可超壓 20% (15 分鐘)

環境溫度：- 25...+65°C

製程溫度：- 40...+150°C

0...+65°C (甘油)

- 45...+65°C (矽油)

錶殼材質：不銹鋼 304SS 或 316SS

外框：旋蓋式，不銹鋼 304SS 或 316SS

鏡面材質：安全玻璃

面板指示：鋁板，白底與紅黑字表示

指針：鋁合金，黑色，固定式或可調式

接頭：銅

巴登管：銅合金

齒輪：銅

充油項目：充填甘油(標準)，另可選擇充填矽油或不充油

防護等級：IP67 (P23.2 及 P23.3)

IP55 (P23.1)

Specifications

Model: P23

Dial size: 100 mm (4")

Accuracy class per EN 837-1: ± 1.0% F.S.

Scale range: From -76cmHg~1000kg/cm² or equivalent other units of pressure or vacuum

Working pressure: max 75% of the full scale value

Over pressure limit: 20% of full scale value (15 min. max)

Ambient temperature: - 25...+65°C

Process temperature: - 40...+150°C

0...+65°C (Glycerin)

- 45...+65°C (Silicone)

Case: Stainless Steel 304SS or 316SS

Ring: bayonet lock, stainless steel 304SS or 316SS.

Window: Safety glass

Dial: Aluminum, white with dual color black and red markings

Pointer: Aluminum, black, non-adjustable or adjustable

Socket: brass

Element: Copper alloy

Movement: brass

Liquid-filled: Filled with glycerin oil (standard) or option:

Filled with silicon oil or without filling.

Protection: IP67 (P23.2 & P23.3)

IP55 (P23.1)

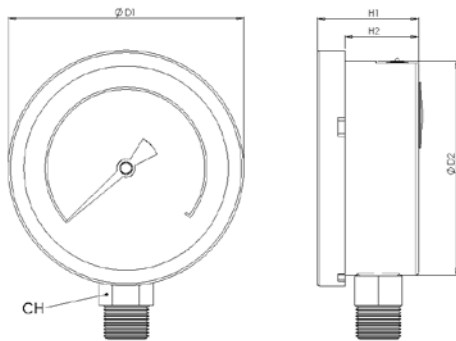
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▶ 安裝形式及尺寸 Type and dimensions

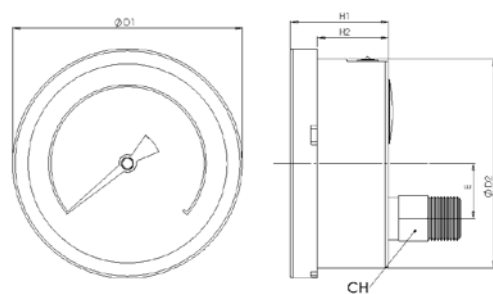
TYPE A

Lower connection (直立底接)



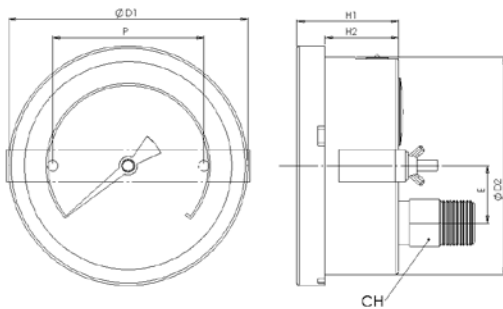
TYPE D

Back connection (背接)



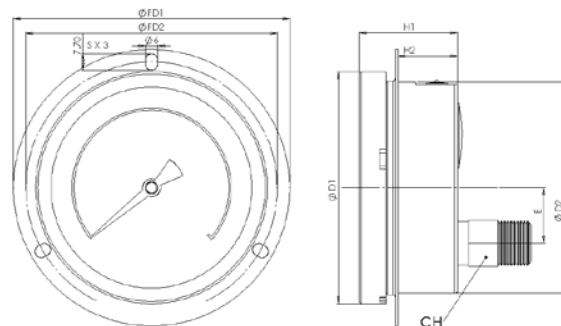
TYPE B

Flush mounting, with "U" clamp; back connection.
(埋入安裝, 附 U 固定架, 背接)



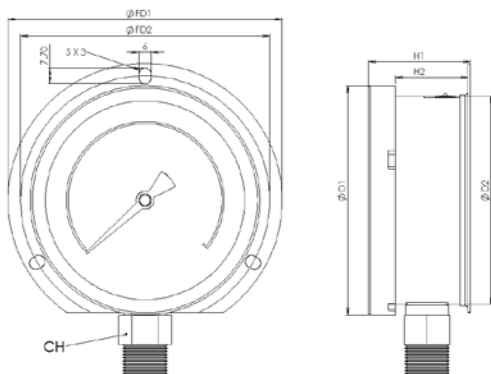
TYPE E

Flush mounting, front flange; back connection
(埋入安裝, 附前法蘭, 背接)



TYPE C

Surface mounting, back flange; lower connection. (壁掛安裝, 附後法蘭, 直立底接)



接續尺寸 Process connection		CH (HEX) mm
21M	1/4" BSP (PF)	14
22M	1/4" PT	14
23M	1/4" NPT	14
31M	3/8" BSP (PF)	17
32M	3/8" PT	17
33M	3/8" NPT	17
41M	1/2" BSP (PF)	22
42M	1/2" PT	22
43M	1/2" NPT	22

尺寸 Dimensions (mm)

DS	type	D1	D2	H1	H2	FD1	FD2	S	E	P
100	A / C	110.7	100.8	47 / 49	34 / 35	132	120.1	7.7 X 6		
	D / E	110.7	100.8	47	24 / 28.6	132	120.1	7.7 X 6	28	
	B	110.7	100.8	47	34	132	120.1	7.7 X 6	28	70

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▶ 訂購方式 How to order

範例 Example	P23	2	A	E	250K	42M	其他需求 Option
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										其他需求 Option	
										S01	矽油 Silicon oil
										OS1	禁油處理 Oxygen service
										C316	殼框 316SS Case & ring 316SS
										RG2	紅綠標示指針 Red-Green sliding point
										RG3	留點指針 Drag point (on Plexiglas window)
										RG4	最大值標示指針 Maximum pointer (on Plexiglas window)
										面徑大小 Dial size	
										E	φ 100 mm (4")
										壓力範圍 Range	
										-760mmHg~1000kg/cm ²	
										接續尺寸 Process connection	
										21M	1/4" BSP (PF)
										22M	1/4" PT
										23M	1/4" NPT
										31M	3/8" BSP (PF)
										32M	3/8" PT
										33M	3/8" NPT
										41M	1/2" BSP (PF)
										42M	1/2" PT
										43M	1/2" NPT
填充油方式 Case version											
1	乾式 Standard version										
2	可充油 Fillable version										
3	充油 filled version										
安裝方式 Mounting function											
A	直立安裝 Low connection - stem mounting										
B	埋入安裝附 U 型固定架 Back connection – flush mounting, "U"-clamp										
C	直立安裝附背緣 Lower connection – surface mounting, back flange										
D	背接安裝 Back connection – stem mounting										
E	埋入安裝附前緣 Back connection – flush mounting, front flange										

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