



Taiwan Schemik Corp

壓力計類 PRESSURE GAUGES



旋蓋式全不銹鋼壓力計

All stainless steel pressure gauge-bayonet lock

全不銹鋼結構，適用於在化學品、食品加工、石化工業等。對於高頻率的壓力波動或是壓力急遽上升的情況，可選擇利用填充油的方式來改善壓力量測。依據 EN837-1 規範製作。

All stainless steel construction. These instruments are designed for use in food, chemical and petrochemical processing industries...etc. The advantages of filling the case of instrument with a dampening fluid are: reduced pointer fluctuation, ensuring the instruments are suitable for use on equipment with very high pulsation and severe vibration.

Manufacture by the EN837-1 standard



規格說明

型號：P33

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 30%

環境溫度：- 25...+65°C

製程溫度：- 40...+150°C

+15...+65°C (甘油)

- 45...+65°C (矽油)

錶殼材質：不銹鋼 304SS 或 316LSS

外框：旋蓋式，不銹鋼 304SS 或 316LSS

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：不銹鋼 316SS/316LSS

巴登管：不銹鋼 316Ti

齒輪：不銹鋼

充油項目：填充甘油(標準)，另可選擇填充矽油或不充油

防護等級：IP67 (P33.2 及 P33.3)

IP55 (P33.1)

Specifications

Model: P33

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: 30% of full scale value

Ambient temperature: - 25...+65°C

Process temperature: - 40...+150°C

+15...+65°C (Glycerin)

- 45...+65°C (Silicone)

Case: Stainless Steel 304SS or 316LSS

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

Window: Safety glass

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

Pointer: Aluminum, black, non-adjustable or adjustable

Socket: 316SS/316LSS

Element: 316Ti

Movement: Stainless steel

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

Filled with silicon oil or without filling.

Protection: IP67 (P33.2 & P33.3)

IP55 (P33.1)

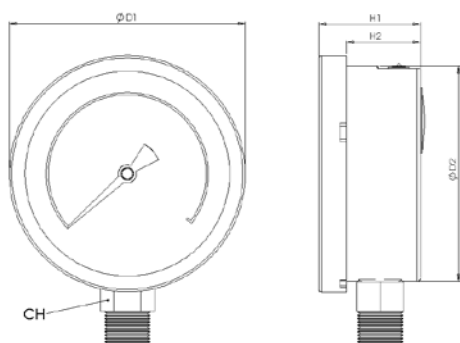
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► Type and dimensions (安裝形式及尺寸)

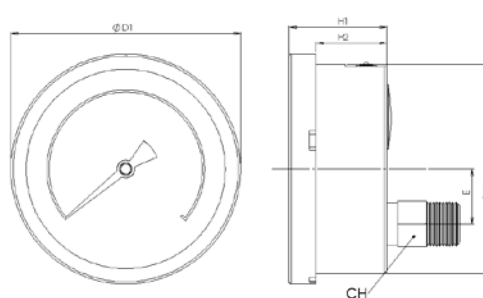
TYPE A

Lower connection (直立底接)



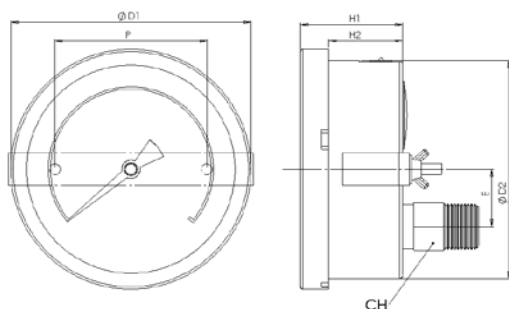
TYPE D

Back connection (背接)



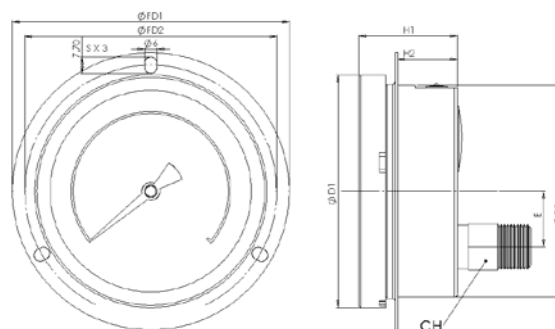
TYPE B

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



Flush mounting, front flange; back connection

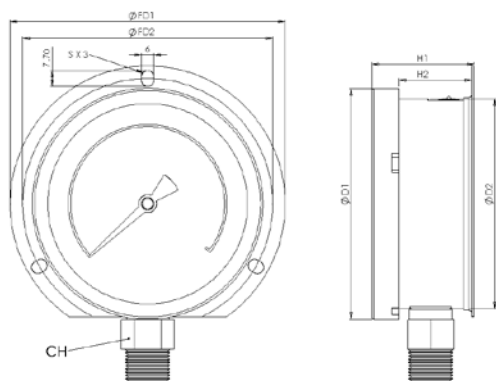
(埋入安裝, 附前法蘭, 背接)



TYPE C

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

TYPE E



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	P33	2	A	E	250K	42M	其他需求 Option
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填充油方式 Case version	
1	乾式 Standard version
2	可充油 Fillable version
3	充油 filled version

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

其他需求 Option	
S01	矽油 Silicon oil
OS1	禁油處理 Oxygen service
C316	殼框 316LSS Case & ring 316LSS
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)
PA1	可調式指針 Adjustable point
HLS	過載停止裝置 Over load stop device

安裝方式 Mounting function	
A	直立底接 Low connection - stem mounting
B	埋入背接附 U 型固定架 Back connection – flush mounting, "U"-clamp
C	壁掛底接附背緣 Lower connection – surface mounting, back flange
D	背接 Back connection – stem mounting
E	埋入背接附前緣 Back connection – flush mounting, front flange

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