



Taiwan Schemik Corp

壓力計類 PRESSURE GAUGES



一般充油式壓力計 Liquid filled pressure gauges

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：P20

面徑：40,50,63,75,100 mm

精度：± 1.6% 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：最大可超壓 15%(15 分鐘)

環境溫度：-25~+65°C

製程溫度：- 40...+100°C

0...+65°C (甘油)

- 45...+65°C (矽油)

錶殼外框材質：不銹鋼 304SS

鏡面材質：PC / 安全玻璃(G01)

面板指示：鋁板，白底與紅黑字表示

指針：鋁合金，黑色

接頭：銅

巴登管：磷青銅

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：IP65

Functional and constructive characteristics

Model: P20

Dial size: 40,50,63,75,100 mm

Accuracy class per EN 837-1: ± 1.6% 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: max 15% of the scale value
(15 min. max)

Ambient temperature: -25~+65°C

Process temperature: - 40...+100°C

0...+65°C (Glycerin)

- 45...+65°C (Silicone)

Case & Ring: 304SS

Window: plexiglass / safety glass(G01)

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

Pointer: black anodized aluminum

Socket : brass

Element : phosphor bronze

Movement: brass

Liquid-filled : filled with glycerin oil (standard) or option:
filled with silicon oil or without filling.

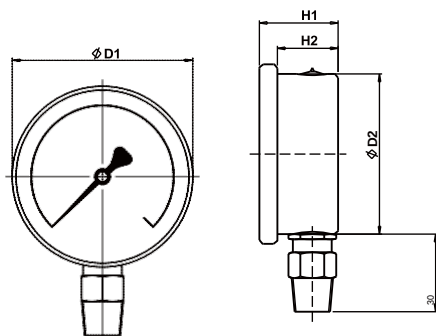
Protection: IP65

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▶ 安裝形式及尺寸 Type and dimension

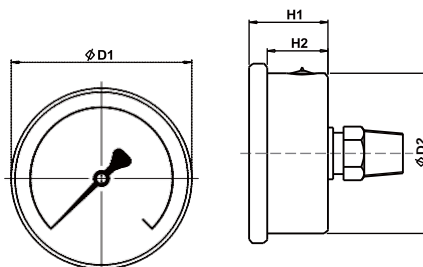
TYPE A

lower connection(直立底接)



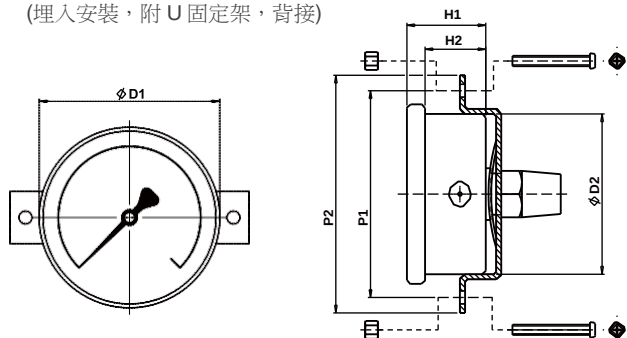
TYPE D

stem mounting;back connection(背接)



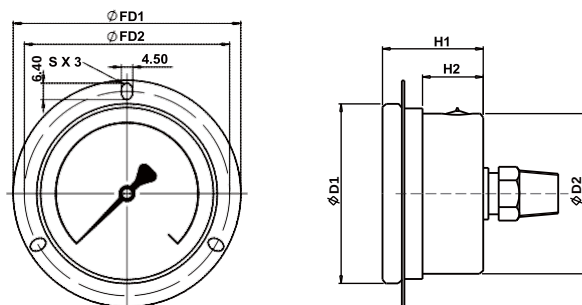
TYPE B

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



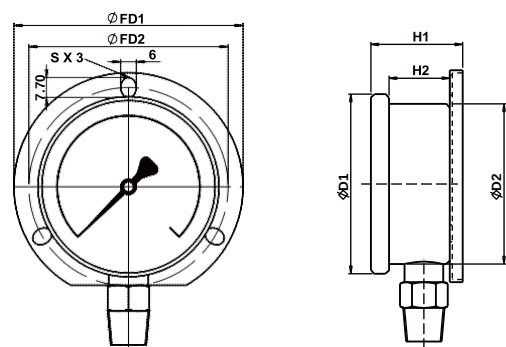
TYPE E

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)



DIMENSIONS(mm)

DS	type	D1	D2	H1	H2	FD1	FD2	S	P1,P2
40	A / D	49.5	41.5	25 / 27.3	21 / 21.3				
50	A / D	57.5	50.8	29.5 / 27.4	23.2 / 21.1				
	B / E	57.5	50.8	27.4	16.4 / 21.1	70.5	64.5	4	69,77 / ---
63	A / C	69.5	62	31.8 / 35	25 / 23.5	--- / 88	--- / 76.5	--- / 7.7 X 6	
	B / D	69.5	62	31.7 / 31	25.9 / 24.5				83,91 / ---
	E	69.5	62	31.7	24.5	87.6	79	6.4 X 3	
75	A / C	83.5	75	36.5 / 37.5	29.5	--- / 104	--- / 88	--- / 4.5	
	D / E	83.5	75	36.5	29.5 / 23	104.2	94	6.4 X 3	
100	A / C	106	98.2	37.5 / 43.5	29.8 / 30.3	--- / 131	--- / 116.2	--- / 7.7 X 6	
	D / E	106	98.3	37.5	23.3	132	117	4.3 X 3	

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訂購方式 How to order

範例 Example	P20	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	
A	φ 40 mm (1.5")
B	φ 50 mm (2")
C	φ 63 mm (2.5")
D	φ 75 mm (3")
E	φ 100 mm (4")

壓力範圍 Range
-760mmHg~1000kg/cm ²

接續尺寸 Process connection	
11M	1/8" BSP (PF)
12M	1/8" PT
13M	1/8" NPT
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 316SS (4" only) Case & ring 316SS (4" only)
RG1	紅綠標示指針 (4" only) Red-Green sliding point (4" only)
G01	安全玻璃 Safety glass
SSS	白鐵卜申 Stainless steel socket

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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