



Taiwan Schemik Corp

壓力計類 PRESSURE GAUGES



密閉-充油壓力計 Bourdon Tube pressure gauge Enclosure Version

適用於具有持續震動，壓力脈動和非腐蝕性的條件存在之場合；可利用填充油的方式來改善壓力量測。應用於柴油引擎，工具機，液位系統，空調系統設備等。依據 EN837-1 規範製作。

Designed for diesel engines, machine tools, hydraulic systems, Air-conditioning equipment, where constant vibrations, pressure fluctuations and non corrosive conditions are present. The advantages of filling the case of instrument with a dampening fluid are: reduced pointer fluctuation

Manufacture by the EN837-1 standard



規格說明

型號：OG

面徑：40 mm (1.5"), 50 mm (2"), 63 mm (2.5"), 100 mm (4")

精度：1.5", 2", 2.5" : $\pm 1.5\%$ F.S. ; 4" : $\pm 1.0\%$ 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%

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 316SS (Only for 4")

外框：不銹鋼 304SS 或 316SS (Only for 4")

鏡面材質：1.5", 2", 4": 安全玻璃 ; 2.5": PC or 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

接頭：銅合金 或 不銹鋼 316SS 或 不銹鋼 316LSS

巴登管：銅合金

機芯：銅合金

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

Specifications

Model: OG

Dial size: 40 mm (1.5"), 50 mm (2"), 63 mm (2.5"), 100 mm (4")

Accuracy class per EN 837-1: 1.5", 2", 2.5" : $\pm 1.5\%$ F.S. ; 4" : $\pm 1.0\%$ 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

Ambient temperature: - 25...+65°C

Process temperature: - 40...+150°C

+15...+65°C (Glycerin)

- 45...+65°C (Silicone)

Case: Stainless Steel 304SS or 316SS (Only for 4")

Ring: stainless steel 304SS or 316SS. (Only for 4")

Window: 1.5", 2", 4": Safety glass ; 2.5": PC or Safety glass

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

Pointer: Aluminum, black, non-adjustable

Socket: Copper alloy or 316SS or 316LSS

Elastic element: Copper alloy

Movement: Copper alloy

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

Filled with silicon oil or without filling.

Protection: IP67

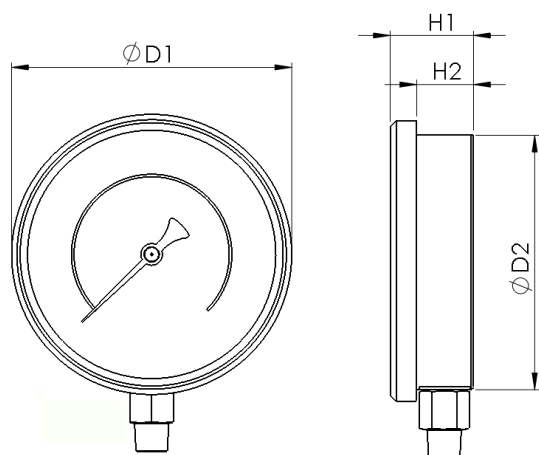
密閉-充油壓力計

Bourdon Tube pressure gauge
Enclosure Version

► Type and dimensions (安裝形式及尺寸)

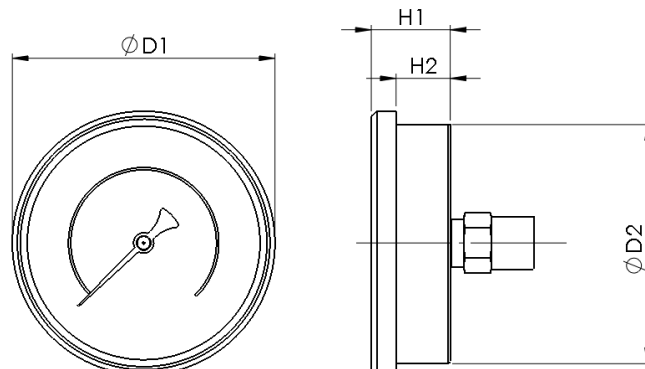
Type A

Lower connection (直立底接)



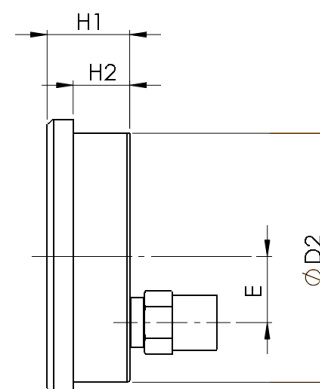
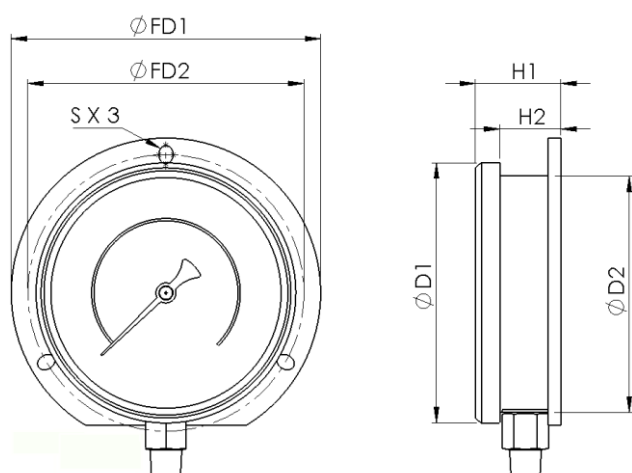
Type D

Back connection (背接)



Type C

Surface mounting, back flange;
lower connection (直立安裝，附背緣)



(Only for 4")

DS	Type	D1	D2	H1	H2	FD1	FD2	S	E
40	A / D	48.5	41.5	27	21.5	-	-	-	-
50	A / D	57.5	50.8	28	21.2	-	-	-	-
63	A / C	69.5	62.5	30.5 / 35	23 / 28	87.7	76.5	7.8x6	-
100	A / C	110	101	36.5 / 40.5	27 / 31.5	131.3	116.2	7.8x6	-

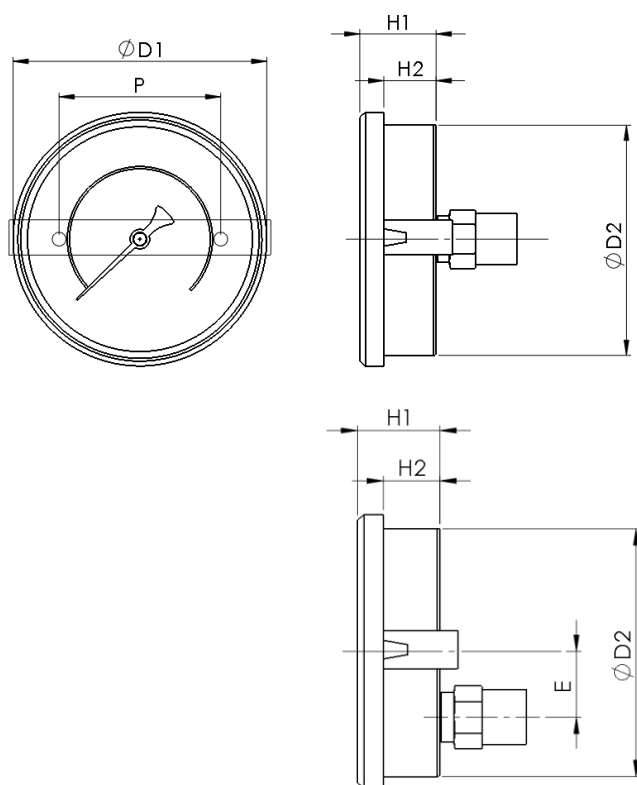
密閉-充油壓力計

Bourdon Tube pressure gauge Enclosure Version

► Type and dimensions (安裝形式及尺寸)

Type B

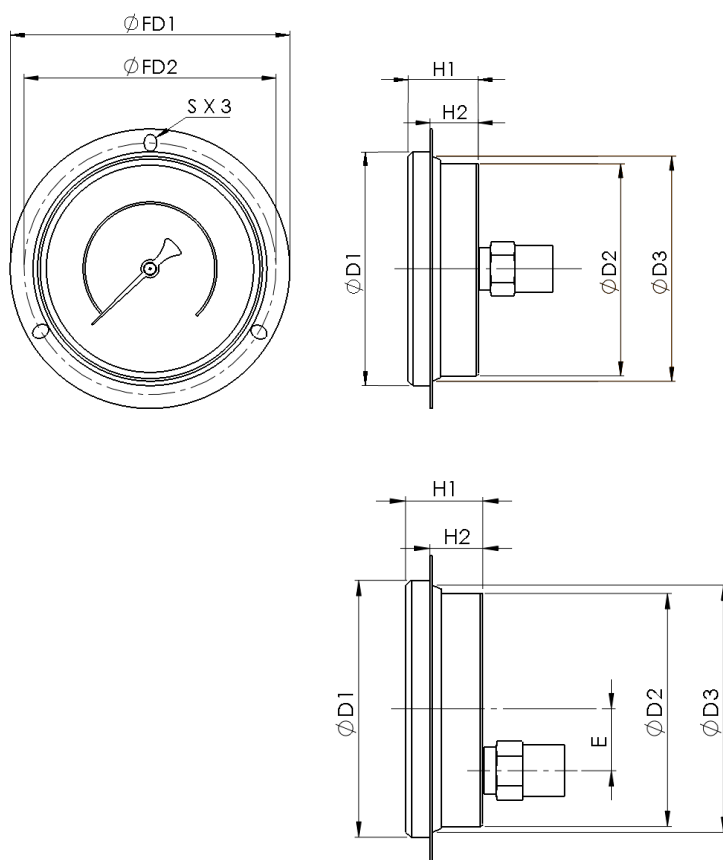
Flush mounting, with "U" clamp; back connection
(埋入安裝，附固定架，背部接頭)



(Only for 4")

Type E

Flush mounting, front flange; back connection
(埋入安裝，附前緣)



(Only for 4")

DS	Type	D1	D2	D3	H1	H2	FD1	FD2	S	P	E
40	B	47	40.5		25	20.8	-	-	-	26	-
50	B / E	57.5	50.8	55	27	20	70.5	64.5	4	70 / ---	-
63	B	69.5	62.5		30	23	-	-	-	83	-
	D	69.5	62.5		30	23	-	-	-	-	-
	E	69.5	62.5	67	30	22	85	76.3	5.5x4.5	-	-
100	B / D / E	110	101	106	35	25/25/24	132	118	7.8x6	71	26

密閉-充油壓力計

Bourdon Tube pressure gauge
Enclosure Version

▶ 訂購方式 How to order

範例 Example	OG	2	D	A	10K	13M	SSS
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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")
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
SW	高溫用(200 °C) High temperature use
C316	殼框 316SS (4"only) Case & ring 316SS
RG1	紅綠標示指針 Red-Green sliding point
SSS	不銹鋼接頭 Stainless steel socket
SEP	電鍍接頭 Electroplate brass socket
G01	安全玻璃鏡面 Safety glass window

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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