Standard Pressure Gauges (Stainless Steel Case)

Applications

- The gaseous and liquids will not attack to copper alloy
- Pneumatic systems
- Ship building industry
- Heating systems
- Ventilation systems
- Medical industry
- Machine building industry

General Features

- For industrial applications
- Stainless steel case
- Heavy working resistance
- Cl. 1.6 accuracy class

Sample Picture



Standard Technical Features

Nominal size
63 mm, 100 mm

Design
EN 837 - 1

Ingress Protection
IP 65

Accuracy class
Cl. 1.6

Scale ranges
0 … 1 bar to 0 … 600 bar (positive scales)
-1 … 0 bar to -1 … +9 bar (vacuum - positive scales)

Pressure limitation
Steady : 3/4 of full scale
Short time : ≤100 bar : 1.25 x Full scale
>100 bar to ≤600 bar : 1.15 x Full scale

Ambient temperature
-20 °C … +60 °C

Media temperature
+60 °C maximum

Case
304 stainless steel

Bezel ring
304 stainless steel (pressed)

Pointer
Black painted Alumimium DIN pointer

Dial
Aluminium with white background

Window
Polycarbonate

Temperature effect
±0,04 x (t2 - t1) %full scale (must be added error limit)
t2 : media temperature t1 : +20 °C reference temperature

Standard Technical Features

Movement

Copper alloy

Bourdon tube

Material : Copper alloy
< 100 bar : C type
≥ 100 bar : Helical type

Process connection

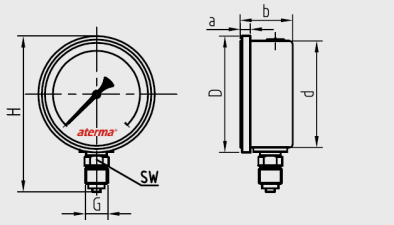
Material : Brass
63 mm : G 1/4 B (14 mm square)
100 mm : G 1/2 B (22 mm hexagonal)

Filling

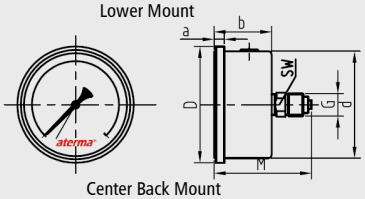
Glycerine (optional F400 model)

Options

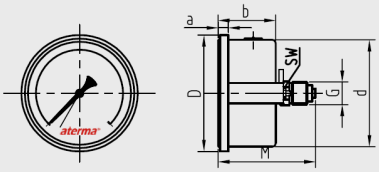
- Other process connections and scale ranges
- Calibration certificate
- Special customer dial design



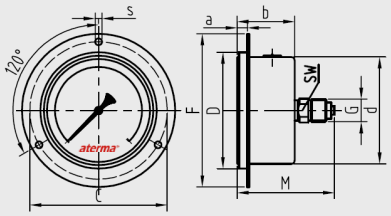
Lower Mount



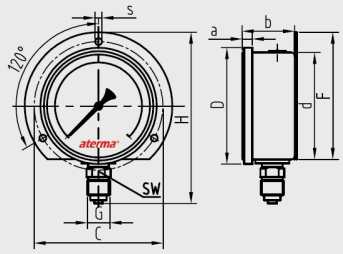
Center Back Mount



Panel Mount



Front Flange Mount



Back Flange Mount

Dimensions (mm)												Weights (kg)
Connection position	a	b	s	D	d	H	M	C	F	G	SW	S400
63 mm Lower Mount	6,50	32,90	-	67,50	62,35	91,50	-	-	-	G 1/4 B	14	0,22
100 mm Lower Mount	6,50	33,90	-	104,70	98,35	137,75	-	-	-	G 1/2 B	22	0,55
63 mm Center Back Mount	6,50	33,90	-	67,50	62,35	-	60,00	-	-	G 1/4 B	14	0,24
100 mm Center Back MOunt	6,50	35,00	-	104,70	98,35	-	78,50	-	-	G 1/2 B	22	0,55
63 mm Panel Mount	6,50	33,90	-	67,50	62,35	-	60,00	-	-	G 1/4 B	14	0,26
100 mm Panel Mount	6,50	35,00	-	104,70	98,35	-	78,50	-	-	G 1/2 B	22	0,75
63 mm Front Flange Mount	6,50	33,90	3,20	67,50	62,35	-	60,00	75,00	84,80	G 1/4 B	14	0,26
100 mm Front Flange Mount	6,50	35,00	6,00	104,70	98,35	-	78,50	118,00	132,00	G 1/2 B	22	0,60
63 mm Back Flange Mount	6,50	32,90	4,00	67,50	62,35	100,75	-	-	74,10	G 1/4 B	14	0,26
100 mm Back Flange Mount	6,50	33,90	6,00	104,70	98,35	151,40	-	-	113,75	G 1/2 B	22	0,60

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