Standard Pressure Gauges

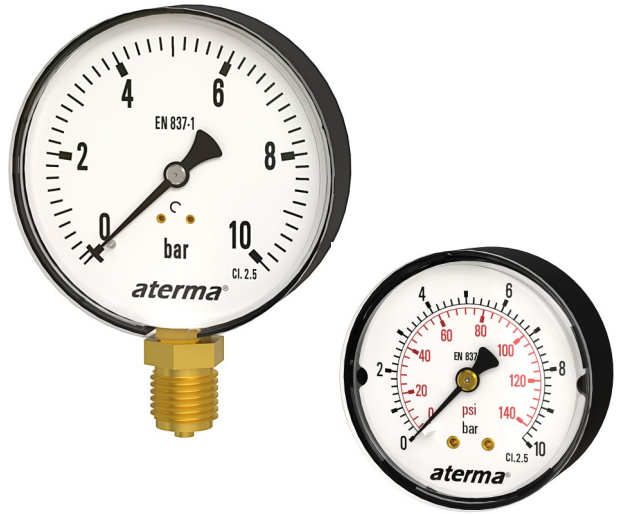
Applications

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

General Features

- Design according to EN 837-1 standard
- Economic price advantage
- 40 mm, 50 mm, 63 mm, 100 mm, 160 mm nominal size options

Sample Picture



Standard Technical Features

Nominal size
40 mm, 50 mm, 63 mm, 100 mm, 160 mm

Design
EN 837 - 1

Ingress Protection
IP 41

Accuracy class
Cl. 2.5 : 40 mm, 50 mm, 63 mm, 100 mm
Cl. 1.6 : 160 mm

Scale ranges
40 mm : -1 … 0 bar to 0 … 160 bar
50 mm : -1 … 0 bar to 0 … 315 bar
63 mm : -1 … 0 bar to 0 … 400 bar
100 mm : -1 … 0 bar to 0 … 600 bar
160 mm : -1 … 0 bar to 0 … 60 bar

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
Black painted steel

Bezel ring
Stainless steel : 40 mm, 50 mm, 63 mm for panel types
Black painted steel : 160 mm

Pointer
Black painted Aluminium DIN pointer

Dial
40 mm, 50 mm, 63 mm : Plastic with white background
100 mm, 160 mm : Aluminium with white background

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

Window

Plastic : 40 mm, 50 mm, 63 mm, 100 mm
Glass : 160 mm

Movement

Brass

Bourdon tube

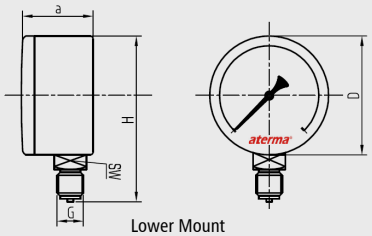
Material : Copper alloy
< 100 bar : C type
≥ 100 bar : Helical type

Process connection

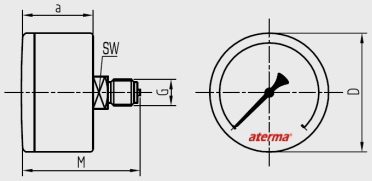
Material : brass
40 mm : G 1/8 (11 mm square)
50 : G 1/4 B (14 mm square)
63 mm : G 1/4 B (14 mm square)
100 mm : G 1/2 B (22 mm hexagonal)
160 mm : G 1/2 B (22 mm square)

Options

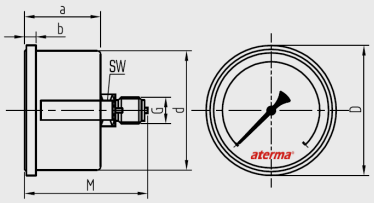
- Other process connections and scale ranges
- Calibration certificate
- Special customer dial design



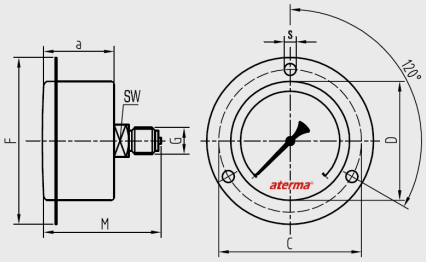
Lower Mount



Center Back Mount



Panel Mount



Front Flange Mount

Dimensions (mm)												Weights (kg)
Connection position	a	b	s	D	d	H	M	C	F	G	SW	S100
40 mm Lower Mount	25,00	-	-	40,00	-	57,50	-	-	-	G 1/8	11	0,05
50 mm Lower Mount	28,00	-	-	49,00	-	68,50	-	-	-	G 1/4 B	14	0,10
63 mm Lower Mount	29,50	-	-	62,00	-	88,00	-	-	-	G 1/4 B	14	0,15
100 mm Lower Mount	30,50	-	-	99,00	-	135,00	-	-	-	G 1/2 B	22	0,22
160 mm Lower Mount	47,00	-	-	150,00	-	195,00	-	-	-	G 1/2 B	22	0,90
40 mm Center Back Mount	25,00	-	-	40,00	-	-	40,00	-	-	G 1/8	11	0,05
50 mm Center Back Mount	27,50	-	-	49,00	-	-	48,00	-	-	G 1/4 B	14	0,10
63 mm Center Back Mount	30,00	-	-	62,00	-	-	50,00	-	-	G 1/4 B	14	0,15
40 mm Panel Mount	25,25	5,25	-	44,20	40,50	-	40,50	-	-	G 1/8	11	0,10
50 mm Panel Mount	27,00	4,60	-	57,50	51,50	-	48,50	-	-	G 1/4 B	14	0,15
63 mm Panel Mount	33,75	5,90	-	67,75	62,25	-	55,20	-	-	G 1/4 B	14	0,20
40 mm Front Flange Mount	25,00	-	3,00	40,00	-	-	40,00	48,60	55,00	G 1/8	11	0,06
50 mm Front Flange Mount	27,50	-	3,00	49,00	-	-	48,00	60,50	65,00	G 1/4 B	14	0,12
63 mm Front Flange Mount	30,00	-	4,40	62,00	-	-	50,00	78,00	85,20	G 1/4 B	14	0,17

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