Capsule Pressure Gauges (Dry / Glycerine Filled)

Applications

- For natural gas applications
- For low pressure measuring applications
- Suitable for media that will not attack to copper alloy
- Medical industry
- Vacuum systems
- Lab systems
- Machine building industry

General Features

- Production according to EN 837-3 standard
- Zero adjustment on the dial
- 63 mm, 100 mm, 160 mm nominal size options
- Minimum 25 mbar scale range

Sample Picture



Standard Technical Features

Nominal size
63 mm, 100 mm, 160 mm

Design
EN 837 - 3

Ingress Protection
63 mm : IP 41 (C600 - Dry)
100 mm, 160 mm : IP 54 (C600 - Dry)
100 mm, 160 mm : IP 65 (C600G - Glycerine filled)

Accuracy class
Cl. 1.6

Scale ranges
0 … 25 mbar to 0 … 1000 mbar (positive pressure)
-25 … 0 mbar to -1000 … 0 mbar (vacuum scales)

Pressure limitation
Steady : 0.9 x Full scale
Short time : 1.25 x Full scale

Ambient temperature
-20 °C … +60 °C

Media temperature
+60 °C maximum

Case
Yellow painted steel (C600 - Dry)
304 stainless steel (C600G - Glycerine filled)

Bezel ring
Yellow painted steel (C600 - Dry /63 mm without bezel ring)
304 stainless steel (C600G - Glycerine Filled)

Pointer
Black painted Aluminium DIN pointer

Dial
Aluminium with white background

Temperature effect
±0,06 x (t2 - t1) %full scale (must be added error limit)
t2 : media temperature t1 : +20 °C reference temperature

Standard Technical Features

Window

Plastic : 63 mm
Glass : 100 mm, 160 mm

Movement

Copper alloy

Capsule diaphragm

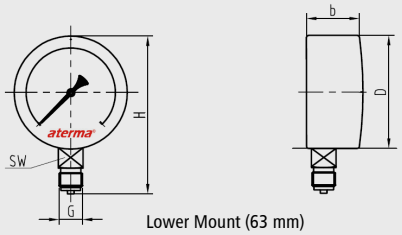
Material : Copper alloy

Process connection

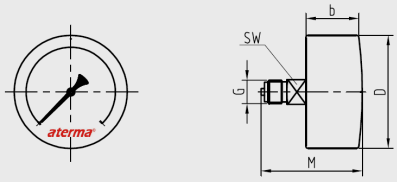
Material : brass
63 mm : G 1/4 B (14 mm square)
100 mm : G 1/2 B (22 mm square)
160 mm : G 1/2 B (22 mm square)

Options

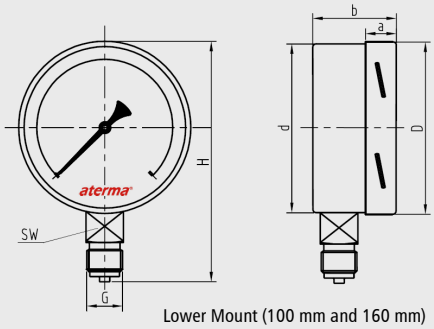
- Other process connections and scale ranges
- Calibration certificate
- Special customer dial design



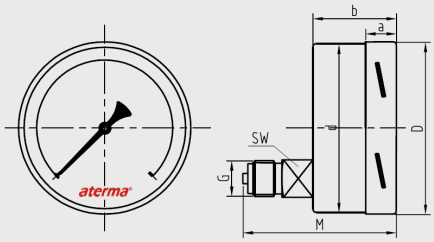
Lower Mount (63 mm)



Center Back Mount (63 mm)



Lower Mount (100 mm and 160 mm)



Lower Back Mount (100 mm and 160 mm)

Dimensions (mm)									Weights (kg)
Connection position	a	b	D	d	H	M	G	SW	C600
63 mm Lower Mount	-	35,25	65,25	65,00	87,50	-	G 1/4 B	14	0,20
100 mm Lower Mount	16,75	49,00	101,00	99,00	139,50	-	G 1/2 B	22	0,60
160 mm Lower Mount	18,00	50,00	161,50	159,00	230,75	-	G 1/2 B	22	1,60
63 mm Center Back Mount	-	35,25	65,25	65,00	-	63,00	G 1/4 B	14	0,20
100 mm Lower Back Mount	16,75	49,00	101,00	99,00	-	83,00	G 1/2 B	22	0,70
160 mm Lower Back Mount	18,00	50,00	161,50	159,00	-	83,00,	G 1/2 B	22	1,70

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