All Stainless Steel Vibration-Resistant Pressure Gauges

Applications

- For pressure measurement applications of corrosive gaseous and liquids (not with high density and solid particles fluids)
- Ship building industry
- Food and beverage industry
- Chemical and Petro-chemical industry
- Power plants, natural gas measuring systems

Sample Picture



General Features

- Production according to EN 837-1 standard
- All stainless steel material
- High temperature resistance
- Resistance to heavy working conditions

Standard Technical Features

Nominal size
100 mm, 160 mm

Design
EN 837 - 1

Ingress Protection
IP 65

Accuracy class
Cl. 1.0 : 100 mm, 160 mm

Scale ranges
100 mm, 160 mm : 0 … 0,6 bar to 0 … 1600 bar
-1 … 0 bar to -1 … +24 bar (vacuum-positive pressure)

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
>600 bar to ≤1600 bar : 1.10 x full scale

Ambient temperature
-40 … +60 °C

Media temperature
+200 °C maximum

Case
304 stainless steel

Bezel ring
304 stainless steel (Bayonet type)

Pointer
Black painted Aluminium DIN pointer

Dial
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

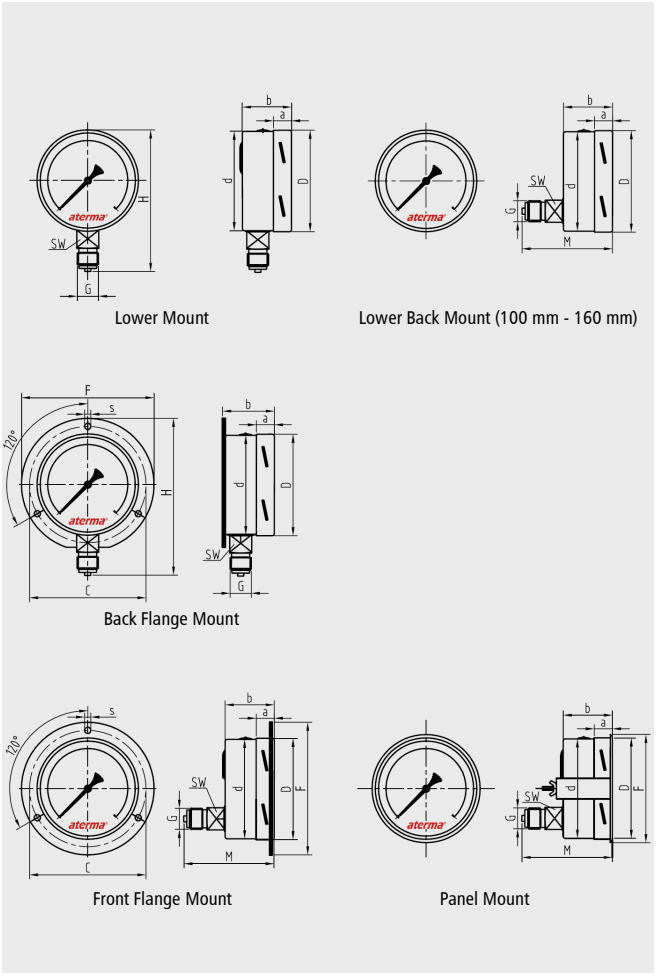
Window
Safety glass

Movement
304 stainless steel

Bourdon Tube
Material : 316L stainless steel
< 100 bar : C type
≥ 100 bar : Helical type

Process connection
Material : 316L stainless steel
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 (1/4 NPT, 1/2 NPT etc.)
- Other scale ranges (kg/cm², psi, MPa etc.)
- Calibration certificate
- Monel bourdon tube and process connection
- Special customer dial design



Dimensions (mm)												Weights (kg)
Connection position	a	b	s	D	d	H	M	C	F	G	SW	A300AV
100 mm Alttan Bağlantılı	18,00	49,00	-	101,00	99,00	139,00	-	-	-	G 1/2 B	22	0,55
160 mm Alttan Bağlantılı	18,00	49,00	-	161,50	159,00	198,50	-	-	-	G 1/2 B	22	1,10
100 mm Arkadan Bağlantılı	18,00	49,00	-	101,00	99,00	-	93,00	-	-	G 1/2 B	22	0,55
160 mm Arkadan Bağlantılı	18,00	49,00	-	161,50	159,00	-	99,00	-	-	G 1/2 B	22	1,10
100 mm Arka Flanş Bağlantılı	18,00	54,00	5,30	101,00	99,00	156,00	-	116,00	132,00	G 1/2 B	22	0,65
160 mm Arka Flanş Bağlantılı	18,00	54,00	6,15	161,50	159,00	217,50	-	178,00	196,00	G 1/2 B	22	1,30
100 mm Önden Flanş Bağlantılı	21,50	51,50	6,15	101,00	99,00	-	96,50	116,00	130,00	G 1/2 B	22	0,65
160 mm Önden Flanş Bağlantılı	21,50	51,50	6,15	164,00	159,00	-	102,50	178,00	196,80	G 1/2 B	22	1,20
100 mm Pano Bağlantılı	21,50	51,50	-	101,00	99,00	-	96,50	-	107,50	G 1/2 B	22	0,80
160 mm Pano Bağlantılı	21,50	51,50	-	164,00	159,00	-	102,50	-	168,00	G 1/2 B	22	1,30

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