# Glycerine Filled Standard Pressure Gauges

## Applications

- For pressure measuring with vibration
- Hydraulic systems
- Ship building industry
- The gaseous and liquids will not attack to copper alloy
- Heating systems
- Process industry
- Machine building industry

## General Features

- Vibration resistant
- 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

aterma®

## Standard Technical Features

### Movement

Copper alloy

### Bourdon tube

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

### Process connection

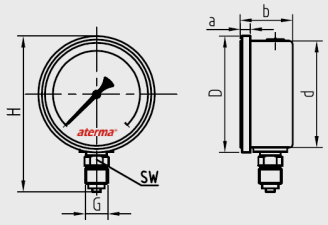
Material : Brass
63 mm : G 1/4 B (14 mm square)
100 mm : G 1/2 B (22 mm hexagonal)

### Filling

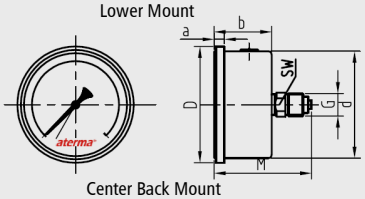
Glycerine

### Options

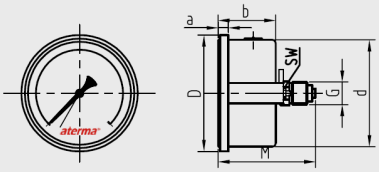
- Other process connections and scale ranges
- Calibration certificate
- Special customer dial design



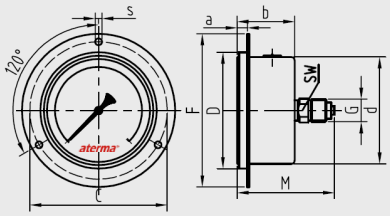
Lower Mount



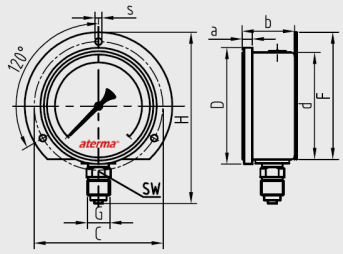
Center Back Mount



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 | F400 |
| 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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