



Especially designed for difficult operating conditions like vibrations or rapid pressure changes. Suitable for use in systems with low viscosity that do not attack copper alloys such as cooling systems.

Manufactured according to **EN 837-1** standards.

## STANDARD PARAMETERS

Design: **EN 837-1**

Closing: Sealed ring

Mounting: See attached diagram **A**, **B**, **C** or **D**

Threaded connection: **Ø63**: ¼" BSP; **Ø80**: ¾" BSP; **Ø100**: ½" BSP (**UNE-EN 10226-1**)

IP protection: **IP65** (**EN 60529** / **IEC 529**)

Accuracy: Class 1.6

Pressure limits:

Static: ¾ end of scale

Oscillating: ¾ end of scale

Maximum: Full scale for a short period of time

Temperature limits:

Environment: -20+50°C

Fluid: 100°C

Range: **-1...0...1000 Bar**

Scale: **Bar/Psi, Bar or cmHg**

Subdivision: According to standard **EN 837-1**

Antivibration fluid: Glycerine 99.8%

Sensor: Bourdon tube (<60 Bar: "C" form; >60 Bar: helical)

Overtemperature relief system: Upper plug

## MATERIALS

Case: AISI 304 Stainless steel

Bourdon tube and moving parts: AISI 316 Stainless steel

Threaded connection: AISI 316 Stainless steel

Display: Polycarbonate

Dial: White laquered aluminum

Pointer: Black laquered aluminum

Welding: TIG Welding

Overtemperature relief plug: Neoprene

## Application:

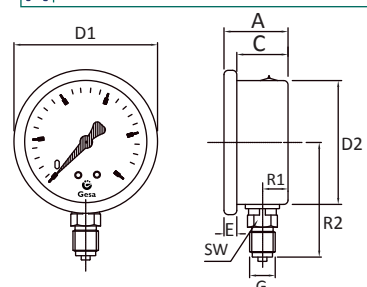
- Ship supplies
- Irrigation systems
- Air conditioning
- Food industry
- Pneumatics
- Hydraulics

## DIMENSIONS (mm)

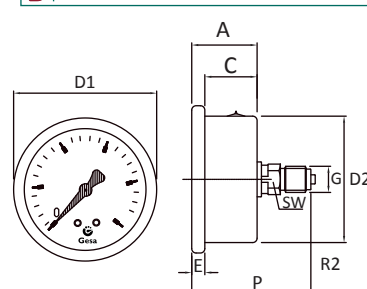
## WEIGHT (g)

| DN   | Mounting   | R1 | A  | C  | D1  | E | D2 | G      | R2 | SW | P  | B1  | B2  | B3  |     |
|------|------------|----|----|----|-----|---|----|--------|----|----|----|-----|-----|-----|-----|
| Ø63  | <b>A/C</b> | 10 | 29 | 23 | 68  | 6 | 61 | ¼ BSP  | 56 | 14 | -  | 86  | 80  | 3,5 | 188 |
| Ø63  | <b>B/D</b> | -  | 29 | 23 | 68  | 7 | 61 | ¼ BSP  | -  | 14 | 58 | 86  | 80  | 3,5 | 184 |
| Ø80  | <b>A/C</b> | 10 | 30 | 22 | 88  | 8 | 80 | ¾ BSP  | 60 | 17 | -  | 112 | 104 | 5   | 335 |
| Ø80  | <b>B/D</b> | -  | 30 | 22 | 88  | 8 | 80 | ¾ BSP  | -  | 17 | 61 | 112 | 104 | 5   | 299 |
| Ø100 | <b>A/C</b> | 16 | 37 | 29 | 109 | 8 | 99 | ½" BSP | 83 | 21 | -  | 132 | 124 | 5   | 550 |
| Ø100 | <b>B/D</b> | -  | 37 | 29 | 109 | 8 | 99 | ½" BSP | -  | 21 | 77 | 132 | 124 | 5   | 547 |

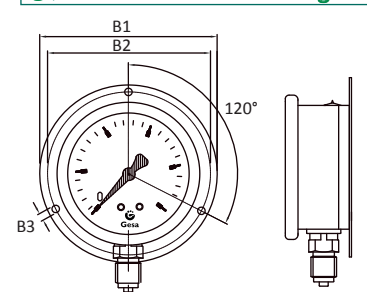
## A Bottom



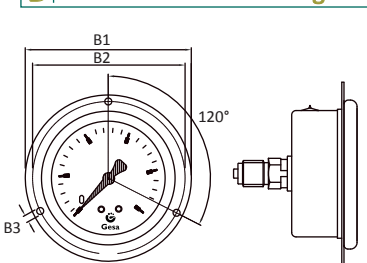
## B Back



## C Bottom with back flange



## D Back with frontal flange



## How to order

### 1. Case diameter

Ø63    Ø80    Ø100

### 2. Pressure range (Bar)

-1+0   -1+1.5   -1+5   -1+12   -1+24   0+1   0+2.5   0+6   0+16   0+40   0+100   0+250   0+400   0+1000  
-1+0.5   -1+3   -1+9   -1+15   0+0.6   0+1.6   0+4   0+10   0+25   0+60   0+160   0+315   0+600   **-76+0**

### 3. Pressure scale

Bar    Bar/Psi    cmHg

### 4. Mounting

**A**   **B**   **C**   **D**

### 5. Threaded connection

¼" BSP    ½" BSP    ¾" BSP  
¼" BSPT    ½" BSPT    ¾" BSPT  
¼" SAE    7/16" SAE

### 6. Connection material

AISI 316 Stainless steel

### 7. Antivibration fluid

Glycerine 99.8%

### 8. Calibration certificate traceable to ENAC

7 Points Certificate  
Without certificate

**M0305 -**

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|

[www.termometros.com](http://www.termometros.com)

**Order it online!**

+34 94 676 63 64

info@termometros.com

