

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:

$P \leq 10$ bar: 125%

$10 < P \leq 160$ bar: 110%

$P > 160$ bar: 105%

Temperature limits:

Environment: -20+50°C

Fluid: Brass connection: 80°C / Steel connection: 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: **Copper Alloy** or **AISI 316 Stainless steel**

Threaded connection: **Brass** or **AISI 316 Stainless steel**

Display: Polycarbonate Thickness: **Ø63**: 2.8mm | **Ø80**: 3mm | **Ø100**: 3.5mm

Dial: White laquered aluminum

Pointer: Black laquered aluminum

Welding: $P < 250$ Bar: Cu-Sn; $P > 250$ Bar: Cu-Ag / 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	A/C	10	29	23	68	6	61	¼ BSP	56	14	-	86	80	3,5	188
Ø63	B/D	-	29	23	68	7	61	¼ BSP	-	14	58	86	80	3,5	184
Ø80	A/C	10	30	22	88	8	80	¾ BSP	60	17	-	112	104	5	335
Ø80	B/D	-	30	22	88	8	80	¾ BSP	-	17	61	112	104	5	299
Ø100	A/C	16	37	29	109	8	99	½" BSP	83	21	-	132	124	5	550
Ø100	B/D	-	37	29	109	8	99	½" BSP	-	21	77	132	124	5	547

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

Brass
AISI 316 Stainless steel

7. Antivibration fluid

Glycerine 99.8%

8. Calibration certificate traceable to ENAC

7 Points Certificate
Without certificate

M0301 -

1	2	3	4	5	6	7	8
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+34 94 676 63 64

info@termometros.com

