Bimetallic dial thermometer in zincked steel

D 03

Dial thermometers with bimetal strip with internal copper alloy elements. Manufactured according to EN 13190 standard.

They are economic instruments especially designed for heating and cooling applications.

STANDARD PARAMETERS

- Design: EN 13190
- Mounting: See attached diagrams **A** or **B**
- Closing: **A**: Bayonet; **B**: Sealed ring
- IP protection: IP56 (EN 60529)
- Accuracy: Class 2.5
- Temperature limits:
  - Room temperature: -40+65°C
  - Fluid overtemperature: maximum 10% end of scale
  - Max. pressure on stem: 16 bar
- Temperature range: **-20+60; 0+120** °C
- Sensor element: Bimetallic strip
- Stem length (P): **50; 65; 100** mm
- Process connection: Trough protection sheath
- Threaded connection (G): ½"BSP Male

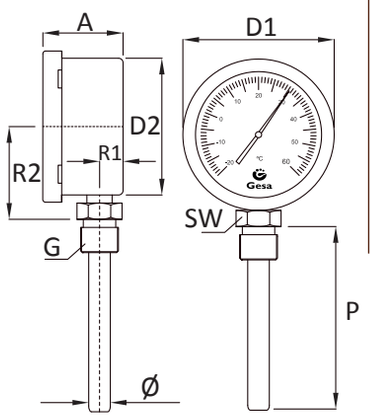
Application:

- **Heating systems**
- **Refrigeration**

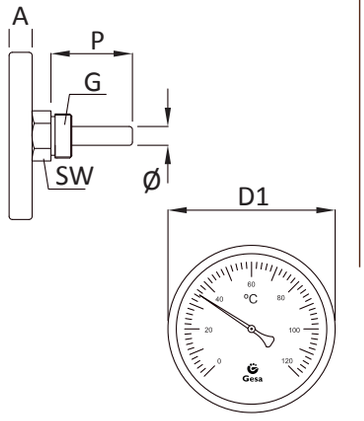
MATERIALS

- Case and ring: Zincked steel
- Moving parts and bimetallic strip: Copper alloy
- Threaded connection: **Brass** or **AISI 316 Stainless steel**
- Display: Glass
- Dial: White lacquered aluminum
- Pointer: Black lacquered aluminum
- Stem: Brass

A Bottom



B Back



DIMENSIONS (mm)									WEIGHT (g)	
DN	**Mounting**	**R1**	**A**	**D1**	**Ø**	**R2**	**SW**	**D2**	**P=50mm**	**P=100mm**
Ø63	A	12	47	68	11	44	22	60	174	184
Ø63	B	-	12	63	11	-	22	-	134	147
Ø80	A	13	50	84	11	54	22	75	204	216
Ø80	B	-	13	80	11	-	22	-	-	176

Temperature scale according to DIN 16206

Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
-20+60	-10+50	1	2
0+120	+20+100	2	3

How to order

1.Case diameter: Ø63 Ø80

2.Temperature range (°C): -20+60 0+120

3.Mounting: A B

4.Stem length (mm): 50 65 100

5.Connection material: Brass / AISI 316 Stainless steel

6.Calibration certificate traceable to ENAC

3 points 6 points
4 points 7 points
5 points Without certificate

D03 - | 1 | 2 | 3 | 4 | 5 | 6 |

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