

## I. APPLICATION

Heating and refrigeration. Heating and refrigeration. Includes a thermowell in brass.



How to order:  
D 01 02 + chosen options.

## 2. CONSTRUCTION / DESIGN

2.1. Design	x	Capillary entry: Radial bottom or centre back.
2.2. Mounting		Direct mounting on the threaded connection
2.3. Protection		IP 56

## 3. MATERIALS AND DIMENSIONS

3.1. Case		
3.1.1. Materials		Zinc coated steel
3.1.2. Dimensions	x	Ø 50mm. Ø63mm. Ø 80mm. and Ø 100mm.
3.2. Bezel		
3.2.1. Materials		Stainless steel AISI 304
3.2.2. Closing		Sealed with a rubber gasket
3.3. Inner components		
3.3.1. Measurement principle		Bimetallic strip.
3.3.2. Materials		Copper alloy
3.4. Process connection		
3.4.1. Materials		Brass
3.4.2. Thread	x	Standard: 1/4" BSP, 3/8" BSP, 1/2" BSP
3.4.3. Design		Threaded connection on the thermowell.
3.5. Stem		
3.5.1. Materials		Brass
3.5.2. Dimensions	x	Diameter 10 mm. Lengths: 50mm and 100mm
3.6. Window		Acrylic.
3.7. Dial		White aluminium.
3.8. Pointer		Black aluminium.

## 4. TEMPERATURE

4.1. Range (°C)	x	-20+60, 0+60, 0+120
4.2. Scale		Single scale in °C
4.3. Class		Class 2.5
4.4. Subdivision		See enclosed table (acc. DIN I 6203)
4.5. Use conditions		
4.5.1. Working temperature		Room: -40+65°C Maximum working temperature: 1, 1 x measuring range.
4.5.2. Pressure on the stem		Maximum 16 bar.

## 5. OPTIONS

5.1. Logotypes		Customer's logo printed on demand (minimum quantity for each scale)
5.2. Other connection threads		BSP, BSPT, NPT or Metrics.
5.3. Calibration certificate		Conformity, works or ENAC certificates are available on demand.
5.4. Accessories		Thermowell according to DIN standards.(see data sheet C 03 01)

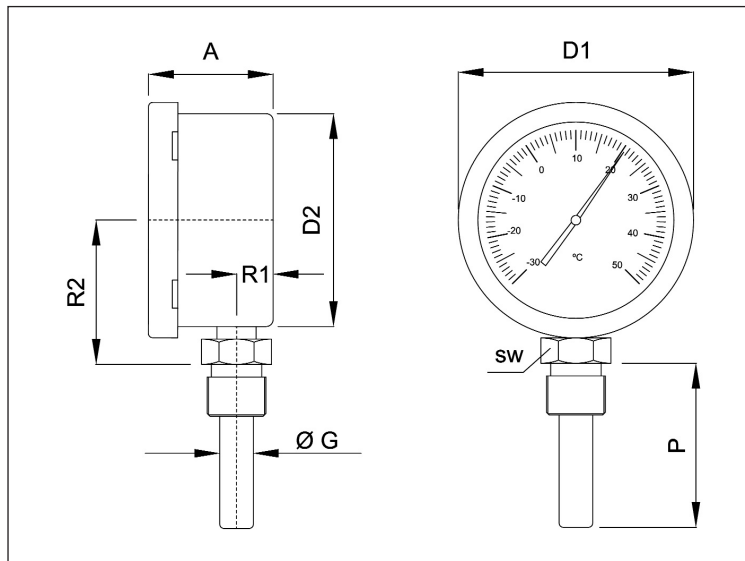


Fig. D 01 02 A (Radial)

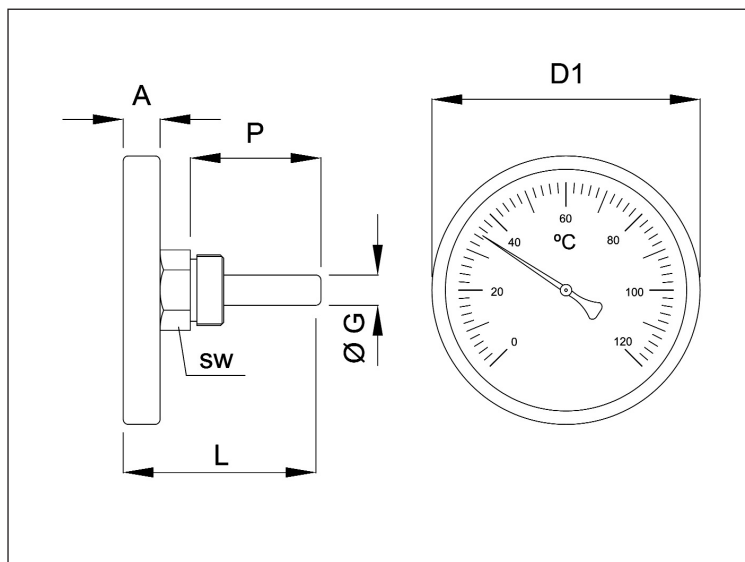


Fig. D 01 02 B (Back)

D 01 03								
DIMENSIONS (mm) (tolerances $\pm 1\text{mm}$ )								
DN	CONNECTION	A	$\varnothing G$	RI	R2	DI	D2	SW
50	Back	12	11			50		22
63	Back	12	11			63		22
80	Back	13	11			80		22
100	Back	13	11			100		22
50	Radial	30	11	12	38	55	50	22
63	Radial	47	11	12	44	68	60	22
80	Radial	50	11	13	54	84	75	22
100	Radial	50	11	15	65	110	100	22

Table of subdivisions according to DIN 16206			
Scale range (°C)	°C/subdivision	Measuring range (°C)	Limit of error (Class 2,5)
-20+60	1	-10+50	2
0+60		+10+50	
0+120	2	+20+100	3