

## 1. APPLICATION

General use for corrosive media, chemical or food industry



How to order:  
 D 01 01 + chosen options.

## 2. CONSTRUCTION / DESIGN

2.1. Design	x	Capillary entry: Radial bottom or centre back
2.2. Mounting	x	a) Direct mounting on the threaded connection (radial o back) b) For rear connection gauges: Front flange in AISI 304 stainless steel for panel mounting c) For radial connection gauges: Back flange in AISI 304 stainless steel for panel mounting
2.3. Protection		IP 56

## 3. MATERIALS AND DIMENSIONS

3.1. Case		
3.1.1. Materials		Stainless steel AISI 304
3.1.2. Dimensions	x	Ø 63mm. Ø80mm. Ø 100mm. and Ø 150mm.
3.2. Bezel ring		
3.2.1. Materials		Stainless steel AISI 304
3.2.2. Seal	x	a) Bayonet seal b) Ring sealed
3.3. Inner components		
3.3.1. Measurement principle		Bimetallic strip
3.3.2. Materials		Stainless steel
3.4. Process connection		
3.4.1. Materials		Stainless steel
3.4.2. Thread	x	Standard: 1/4" BSP, 3/8" BSP, 1/2" BSP
3.4.3. Design	x	a) Sliding on the stem (male or female) b) Fixed on the stem but turnable (male or female) c) Protection tubes
3.5. Stem		
3.5.1. Materials		Stainless steel
3.5.2. Dimensions	x	Diameters 6, 8 and 10mm. Lengths: 50, 75, 100, 150, 200 or 250mm
3.6. Window		Glass. Optional: laminated safety glass
3.7. Dial		White aluminium
3.8. Pointer		Black aluminium
4. TEMPERATURE		
4.1. Range (°C)	x	-40+40, -30+50, -20+60, 0+60, 0+100, 0+120, 0+160, 0+200, 0+250 0+300, 0+400, 0+500
4.2. Scale	x	Single scale in °C or double scale °C (in black colour) and °F (in red colour)
4.3. Class	x	Class 1,0
4.4. Subdivision		See enclosed table (acc. DIN 16203)
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 25 bar
5. OPTIONS		
5.1. Logotypes		Customized (minimum quantity required)
5.2. Other connection threads		BSP, BSPT, NPT or Metrics
5.3. Thermowells		Thermowell according to DIN standards.(see data sheet C03 01)
5.4. Calibration certificate		Conformity, works or ENAC certificates are available on demand.
5.5. Antivibration system		Glycerine or silicon oil filled

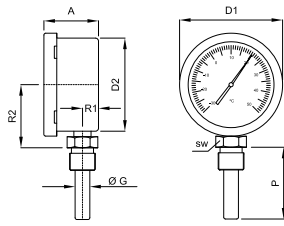


Fig. D 01 01 A (Radial)

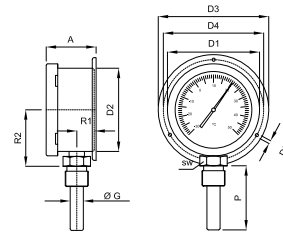


Fig. D 01 01 B (Radial with flange)

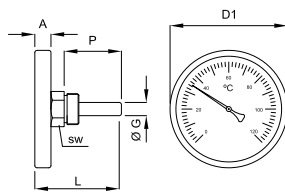


Fig. D 01 01 C (Back)

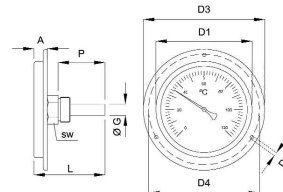


Fig. D 01 01 D (Back with flange)

DIMENSIONS (mm) (tolerances $\pm 1$ mm)											
DN	CONNECTION	A	$\varnothing G$	R1	R2	D1	D2	D3	D4	D5	SW
63	Back	17	8			62		86	80	3	22
80	Back	17	8			84		112	104	5	22
100	Back	20	8			110		132	124	5	22
150	Back	20	8			160		182	174	5	22
63	Radial	30	8	12	44	68	60	86	80	3	22
80	Radial	47	8	12	54	84	75	112	104	5	22
100	Radial	50	8	13	65	110	100	132	124	5	22
150	Radial	50	8	15	90	160	150	182	174	5	22

Table of subdivisions according to DIN 16206			
Scale range (°C)	°C/subdivision	Measuring range (°C)	Limit of error (Class 1.0)
-40+40	1	-30+30	1,5
-30+50		-20+40	
-20+60		-10+50	
0+60		+10+50	
0+100		+10+90	
0+120	2	+20+100	3
0+160		+20+140	
0+200		+20+180	
0+250	5	+30+220	4
0+300		+30+270	
0+400		+50+350	
0+400		+50+350	
0+500		+50+450	