

DIFFERENTIAL PRESSURE GAUGES WITH BOURDON TUBE




Diameter 160 with electrical contacts available

The pressure gauges are suitable for measuring of liquid and gaseous media, although this should not be too viscous or be susceptible to crystallization.

Differential pressure gauges with 2 bourdon tubes are low-priced instruments for measuring of 2 different pressures with directly displaying of difference pressures.

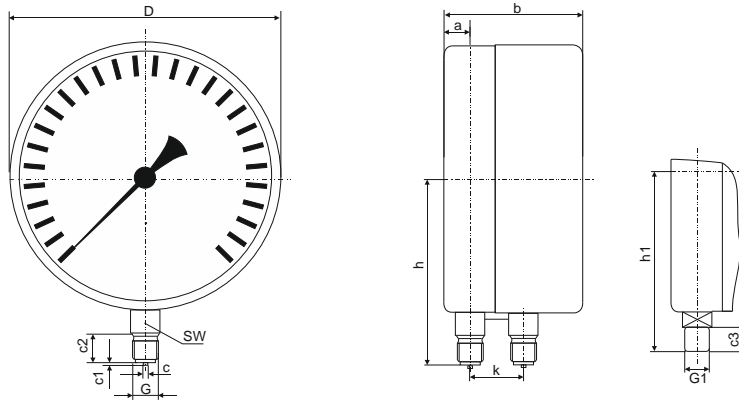


Type	5639	5637	5640	5638	Options
Diameter	100	160	100	160	
Symbol					with electrical contacts
Accuracy class	1,6				
Ranges	0...1 bar up to 0...600 bar				
max. stat. pressure	<u>Measuring range</u> 0...1 bar 0...1,6 bar 0...2,5 bar 0...4 bar 0...6 bar		<u>max. stat. pressure</u> 1,6 bar 4 bar 10 bar 16 bar 16 bar		others on request
max. stat. pressure	1 pressure level higher than display area (only 5639, 5640)				
Application	Constant load: up to the end of scale value Alternating load: up to 0,9-x of scale value				
Case	Stainless steel		Stainless steel, bayonet ring		Glycerine filling
Ring	Stainless steel				
Window	Glass		Safety glass		
Dial	Al white, scale and printing black				
Pointer	Al black				
Movement	Brass / nickel silver				
Measuring element	• up to 40 bar Cu-alloy bourdon tube, soft solder • > 40 bar stainless steel 1.4571 helical spring, hard solder		Stainless steel		Monel
Pressure connect.	CuZn-alloy		Stainless steel 1.4571		
Connection position	radial bottom, parallel (one behind the other)				
Thread	2x G 1/2 B, 2x M20x1,5				others on request
Temperatures	Medium: -20° C up to 60° C ambient: -20° C up to 60° C				Medium max. 100°C (hard solder)
Temperature drift	0,4% at 10° C deviation of normal temperature 20°C				
Protection	IP43 acc. to EN 60529/IEC 529		IP 56		IP 65
Orifice	Ø 0,4; Ø 0,8				
Approx. Weight	1,1 kg		1,5 kg		

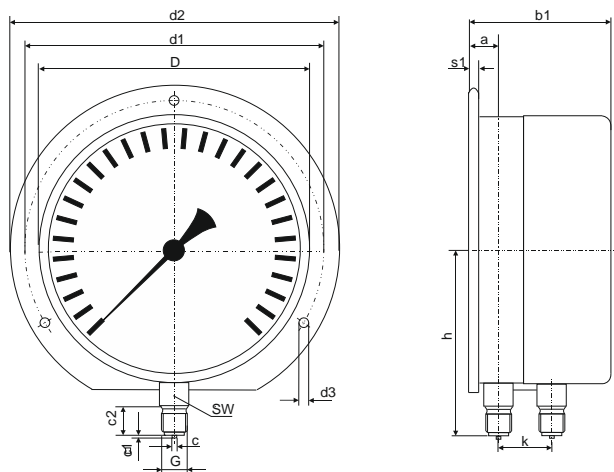
Dimensioned drawing

Dimensions in mm

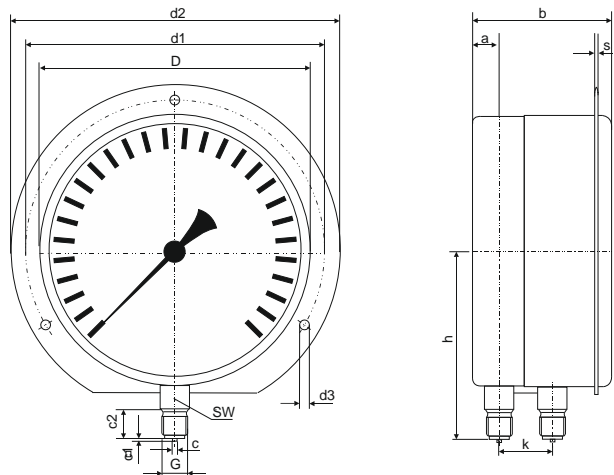
ND	a	a1	b	b1	c	c1	c2	c3	D	d1	d2	d3	G	G1	h ±1	h1 ±1	k	SW	s	s1	s2	s3
100	15	19	83	86	6	3	20	19	101	116	132	4,8	G1/2B M20x1,5	1/2" NPT	87	86	32	22	2	6	6	1,5
160	33	37	104	107	6	3	20	19	161	178	196	5,8			117	116	32	22	2	6	6	1,5



Connection bottom, parallel (one behind the other)



Connection bottom, parallel (one behind the other), flange back



Connection bottom, parallel (one behind the other), front flange