

Differential pressure gauges with Bourdon tube




Diameter 100 and 160
with measuring system Cu-alloy
with measuring system CrNi-steel



The pressure gauges are suitable for measuring of liquid and gaseous media, although this should not be too viscous or be susceptible to crystallization. For aggressive media, which attack the copper resp. the copper-alloy, other versions (5631, 5636) with stainless steel medium wetted parts are available. Both pointers turn around the same axle and given + and - pressure separately. The pointer of the low-pressure side as the form of a dial.

On this dial the pressure side is given which may not exceed 50% of the full measuring range.

Types	5630 ¹⁾	5635	5632	5636	Options
Diameter	100	160	100	160	
Symbol					with glycerine filling
Accuracy class	1,6 acc. to EN 837-1				
Ranges ²⁾	0...0,6 up to 0...1000 bar negative or positive and neg. and pos. pressure				MPa, kPa
Applications	constant load: up to the end of scale value alternating load: 0,9 x end of scale value short time: 1,3 x overload capacity				
Case	steel, black finish, stainless steel				rear flange
Ring	steel, black finish				front flange
Window	flat instrument glass				multi-composite laminate safe
Dial	Al white, scale and printing black, dual scale bar/mWS				
Pointer	+) Normal pointer: Al black, -) scale pointer: Al white, with scale every 50% of the range as plus and minus differential pressure indicator				marker pointer
Movement	CuZn-alloy, bearing parts german silver				stainless steel
Measuring element	Cu-alloy up to 100 bar Bourdon tube		CrNi-steel 1.4571 up to 100 bar 1.4571 helical tube		
Pressure connect.	CuZn-alloy		CrNi-steel 1.4571		
Pressure position	radial bottom (parallel one behind the other)				
Pressure thread	2x G 1/2 B, 2x M20x1,5				others on request
Temperatures	Medium: -20°C up to 60°C ³⁾ ambient: -20°C up to 60°C		Medium: -20°C up to 100°C		
Temperature drift	0,3%/10K deviation of normal temperature 20°C				
Protection	IP33 to EN 60529/IEC 529				
Orifice					diam. 0,4; diam. 0,8
Approx. weight	1,0 kg	1,6 kg	1,0 kg	1,6 kg	

Types 5630, 5635, 5631, 5636

1) Liquid filling only model 5630 - 5632

2) Scale range must be selected in consideration of the highest static pressure applied!

In heating circuits with circulating pumps the total pressure is calculated pressure given by the pump plus the water column above. The pressure differential to be indicated should be no less than 1/8 of the full scale range.

When ordering please state both: a) static pressure applied
b) differential pressure to be indicated

3) max. temperature +100°C brazed

Types	Dimensions in mm							
	NG	a+/-0,5	b+/-1	X+/-1	D+/-1	G	h+/-1	SW
5630/5631	100	15,5	82	32	100	G 1/2 B	87	22
5635/5636	160	15,5	86,5	32	160	G 1/2 B	118	22

