

BOURDON TUBE PRESSURE GAUGE WITH GLYCERINE FILLING, STAINLESS STEEL CASE ACC. TO EN 837-1



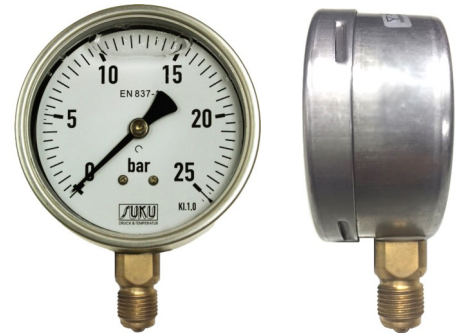
DRUCK & TEMPERATUR

Nominal size 100, 160

Connection brass

Connection position bottom or centric back

For measuring tasks where strong mechanical vibrations or pressure pulses may arise. The glycerine filling ensures a smooth pointer movement and thus for good readability even in extreme loads and high vibration stress. The lubricating effect of the glycerine also has a favorable effect against increased wear.



Type	7782	7791	7801	7811	Options
Nominal diameter	100		160		
Symbol					
Accuracy	1,0 according to DIN EN 837-1				
Measuring ranges	0...0,6 up to 0...1000 bar, negative and/or positive overpressure				
Applications	Constant load: full of scale value Alternating load: 0,9 x full scale value Overload: 1,3 x full scale value, short time!				
Case	Stainless steel, with blow out (rear)				
Ring	Bayonet, stainless steel				
Movement	Cu- alloy up to 40 bar, above 40 bar stainless steel				
Connection material	CuZn-alloy				
Thread	G 1/2 B				M 20 x 1,5, 1/2" NPT others on request
Connection position	radial bottom	eccentric back	radial bottom	eccentric back	
Window	Instrument flat glass		Multilayer safety glass		
Movement	CuZn-alloy and German Silver				
Dial	Aluminium white, scale and lettering black				Special scale, double scale
Pointer	Aluminium black				Drag indicator, mark pointer
Temperatures	Medium: -20°C up to max. 80°C, ambient: -25°C up to max. 60°C				
Protection class	IP 54 according to EN 60529 / IEC 529				
Mounting optional	Back flange (connection back) , front flange or Triangular front ring with bracket mounting (for rear connection)				
Weight	approx. 0,9 kg		approx. 2,1 kg		

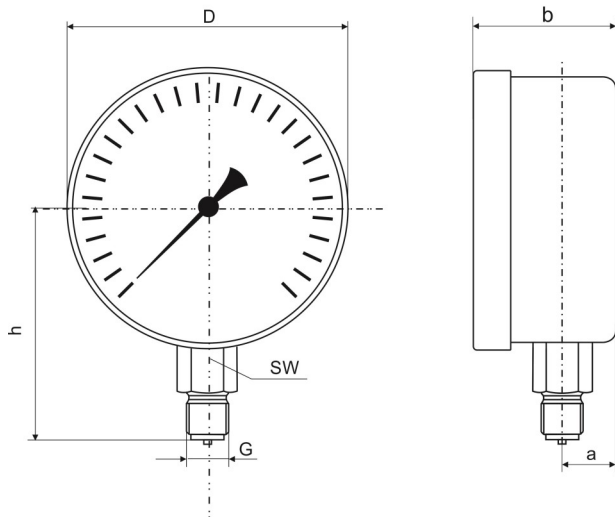
Dimensional drawings

Dimensions in mm

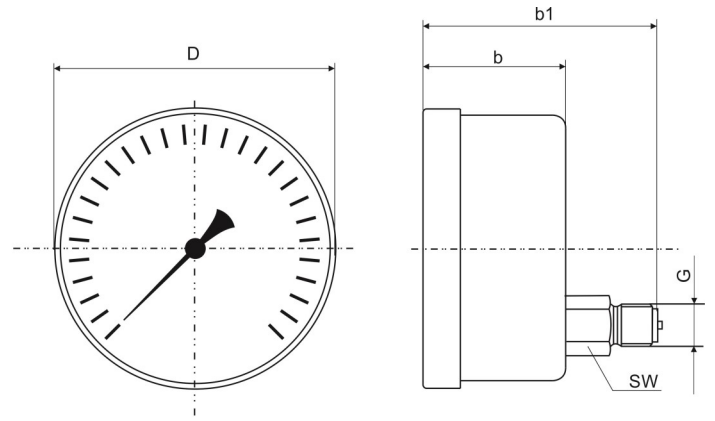


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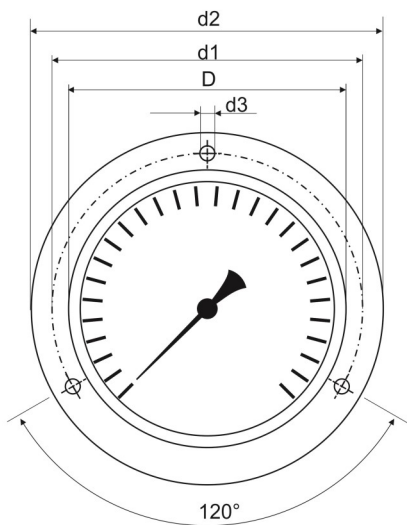
Type 7782, 7801



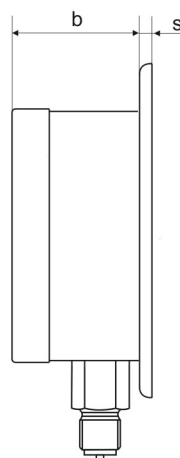
Type 7791, 7811



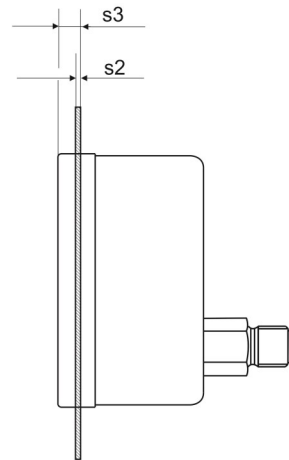
Mounting flange



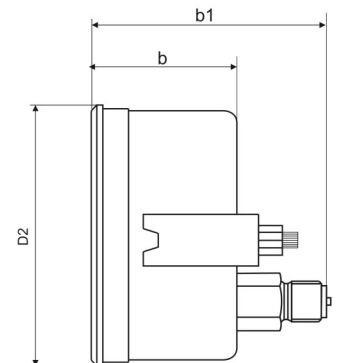
Back flange



Front flange



Triangular front ring with bracket mounting



Type	NG	D	G	SW	a	b	b1	h	d1	d2	d3	D2	s	s2	s3
7782	100	101	G 1/2 B	22	15	49	-	86	116	132	5	132	2	2	6
7791	100	101	G 1/2 B	22	-	49	85	-	116	132	5	132	-	2	6
7801	160	160	G 1/2 B	22	15	51	-	118	178	196	5,6	196	3	3	8
7811	160	160	G 1/2 B	22	-	51	86	-	178	196	5,6	196	-	3	8