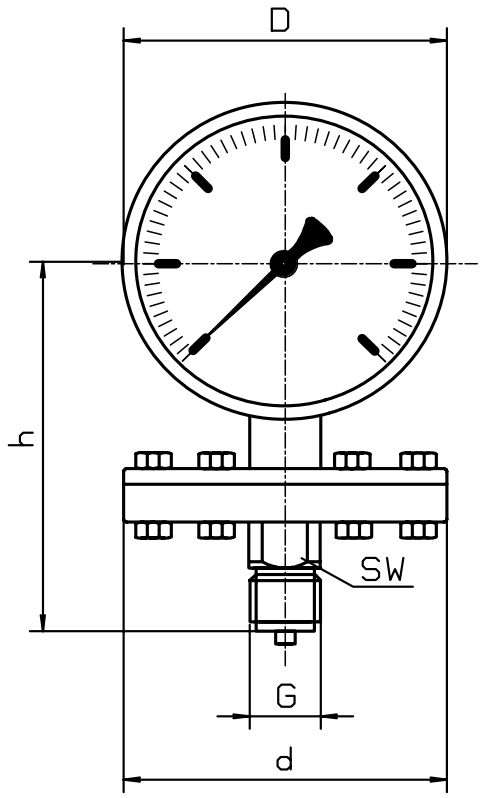
Pressure gauges with diaphragm in cast iron cases

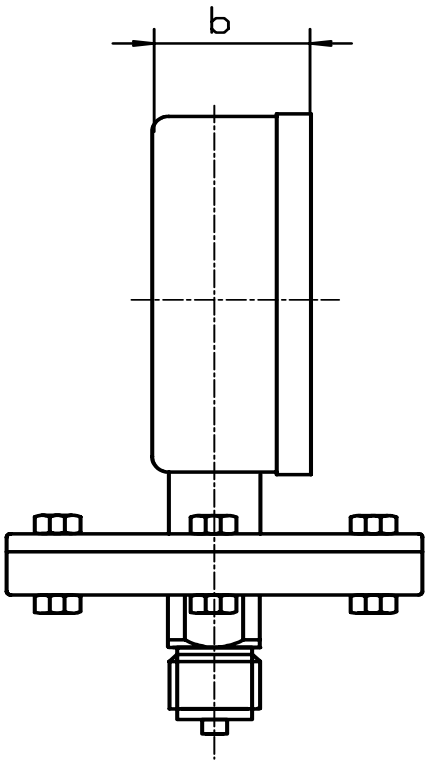
SUKU
DRUCK & TEMPERATUR

Diameter 100 and 160 with or without filling

For the stringent demands occuring in service in industrial processing plants.
With highly viscous, crystallizing or strongly heterogeneous media, open process connections are used which ensure that the gauges are easy to clean, e. g. by flushing.

Types	5921	7851	5931	7861	Options
Diameter	100		160		
Symbol		 Glycerine filling		 Glycerine filling	Esteroil (free of silicone)
Accuracy	1,6 acc. to EN 837-3				
Ranges	0..16 mbar to 0...250 mbar: flange diam. 160 mm 0...0,4 bar...0...40 bar: flange diam. 100 mm plus all corresponding ranges for negative or negative and positive gauge pressure				MPa, kPa
Applications	constant load: up to the end of scale value alternating load: up to 0,9 x end of scale value short time: 1,3 x overload capacity				underpressure proof to -1bar
Overload protection	</=0,25 bar: 5x full scale value >0,25 bar to 2,5 bar: 3x full scale-value > 2,5 bar: 5x full scale value, max. 40 bar				overload safety: 10x fs value: max. 40 bar
Case	steel black or stainless steel				
Ring	Bayonetring in stainless steel				
Window	flat instrument glass				
Dial	Al white, scale and printing black				dual scale
Pointer	Al black				
Movement	CuZn-alloy, bearing parts German silver				
Measuring element	elastic, stainless steel 1.4571, from 2,5 bar steel				
Upper flange	steel				
Pressure thread	G 1/2 B, M20x1,5				others on request
Temperatures	Medium: -20°C to 100°C, ambient: -20°C to 60°C				
Protection	IP 54 (with filling IP 65) acc. to EN 60529/IEC 529				
Seal to pressure chamber	NBR (Perbunan) - with filling (NBR-bellows)				Metal bellows (st.steel)
Open process connection / wetted parts					to DIN an DN 15 to DN 80/ PTFE, Hastelloy, Monel, Nickel,Tantalum, Titanium, Silver

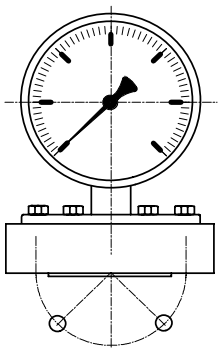




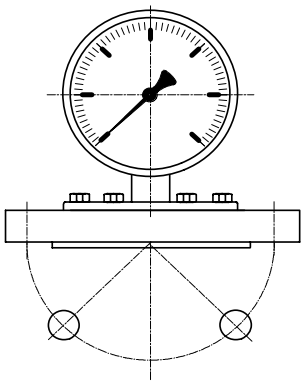
		Dimensions in mm							Weight (kg)	
NS	**bar**	d	a	b	D	G	h	SW	unfilled	filled
100	</= 0,25	160	15,5	49	101	G1/2B	127	22	3,4	3,9
160	</= 0,25	160	15,5	49	161	G1/2B	156	22	4,3	5,2
100	>/= 0,4	100	15,5	49	101	G1/2B	127	22	2,1	2,6
160	>/= 0,4	100	15,5	49	161	G1/2B	156	22	3	3,9

Options with process connection

DIN DN 25



DIN DN 50



Drawing of dimensions: Sheet 1.27, Page 4