

Glycerin filled bourdon tube pressure gauge

H 042

Radial or Axial

For gaseous and liquid media, which are not highly viscous, do not crystallises and are not aggressive to copper alloys. For measurement in areas with high levels of vibration and high, dynamic pressure loads

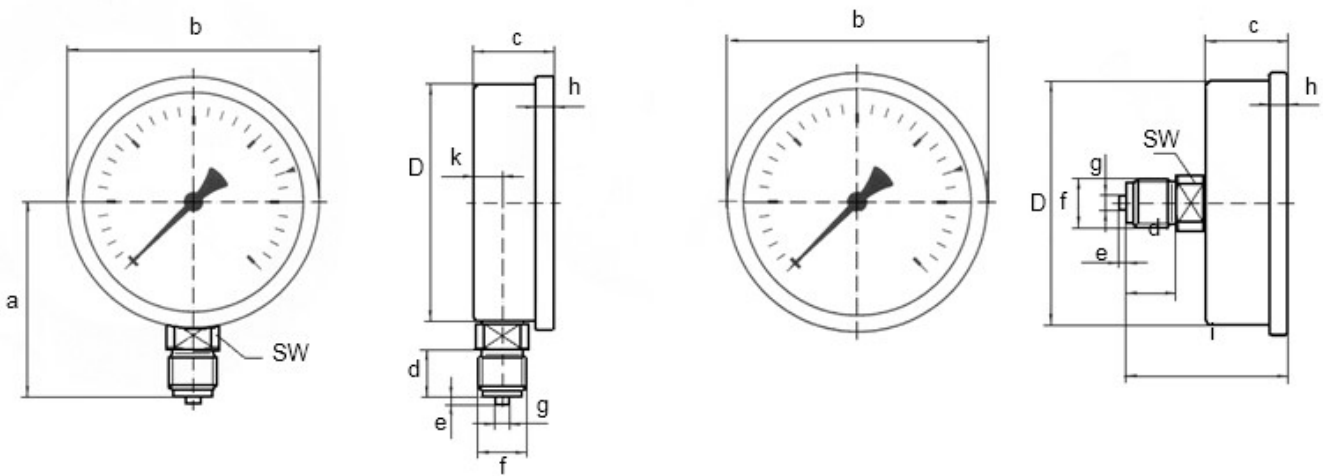
Nominal size:	80 – 100 mm
Connection:	Brass, bottom NG 80 – 100 G½B – SW 22 Brass, back (center) NG 80 G¼B – SW 14; NG 100 G½B – SW 22
Housing:	Stainless steel 1.4301 with pressure relief port
Bayonet bezel:	Stainless steel 1.4301
Filling:	Glycerin (99.5%)
Window:	Plastic (Macrolon)
Movement:	Brass
Measuring element:	Bourdon tube element, copper alloy ≤60 bar "C" type bourdon tube; ≥ 60 bar helical tube
Measuring range (EN 837-1/5):	-1/0 to -1/+15 bar; 0/1 to 0/400 bar
Accuracy: (EN 837-3/6):	Class 1,6
Range of application:	Static load: ¾ x scale value Alternating load: 2/3 x scale value Short-time: full scale value
Operating temperature:	Environment: T _{min} = -20°C; T _{max} = +60°C Medium: T _{max} = +60°C
Temperature error:	Indication error when the temperature of the measuring element deviates from +20°C: rising or falling temperature approx. ± 0,4%/10 K percentage of full scale value
Protection:	IP 65 (EN 60529) with housing vent (≤ 25 bar) IP 54
Options:	Filling liquid silicone oil Clamp fixing 3-hole fixing, panel mounting bezel (NG 100)

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Nominal size (NG)	a	b	c	d	e	f*	g	h	i	k	D	SW
80 Ms	61	85	34	13	2	G1/2B	5	7	57	12	80	22
80 VA	61	85	34	13	2	G1/2B	5	7	59	12	80	22
100 Ms	81	106	34	20	3	G1/2B	6	7	66	12	100	22
100 VA	90	106	34	20	3	G1/2B	6	7	77	12	100	22

Size in mm

Details

* NG 80 axial = G $\frac{1}{4}$ B – SW 14

We can offer further versions and special remarks on request.

[Technical changes reserve.](#)