



Glycerine filled Bourdon tube pressure gauge type D7

benefits

- robust stainless steel housing
- can be used in case of heavy vibrations and high, dynamic pressure loads
- longer service life due to less wear and corrosion protection of the measuring system
- No steaming up of the inside of the window in case of outdoor applications

Application

For gaseous and liquid media which are not highly viscous, do not crystallise and do not attack copper alloys. For measurements in areas with high vibration levels and high, dynamic pressure loads.

Technical Specifications

Type

D7

Nominal size

100

accuracy class (EN 837-1/6)

1.6

ranges (EN 837-1/5)

see ordering table

application area

static load: $\frac{3}{4}$ x full scale value
dynamic load: $\frac{2}{3}$ x full scale value
short-term: Full scale value

Operating temperature range

Medium: max. 60 °C
Ambient: -20/+60 °C

Connection

Brass, centre back

Measuring element

Bourdon tube
≤ 60 bar: "C" type tube
> 60 bar: helical tube

movement

Brass

Dial

Aluminium, white
Scaling: black
RF100Gly

Pointer

Aluminium, black

Housing

Stainless steel 304, with blow-out

crimped bezel
Stainless steel 304

filling liquid
glycerine (99.5 %)

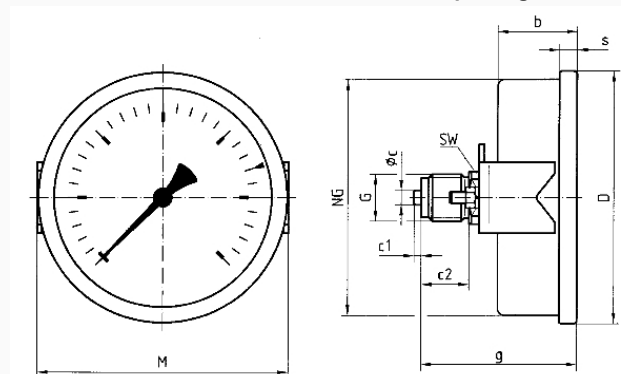
window
Plastic

Options

- Filling liquid silicone oil
- Back flange (NG 63/80/100)
- clamp fixing
- 3-hole fixing, panel mounting bezel
- crimped bezel polished
- measuring system stainless steel (up to 1,000 bar, NG 80/100)
- special scales
- Clip reference pointer, red, adjustable (NG 63)
- throttle screw
- other process connections

Technical Drawings

NG 100 – centre back connection, with clamp fixing



Dimensions (mm)

NG	b	Øc	c1	c2	D	g	G	M	s	SW
80	33,5	5	2	13	85	56,5	G ¹ / ₄ B	82	7	14
Ms ax										
80	33,5	5	2	13	85	59	G ¹ / ₄ B	82	7	14
VA ax										
100	33,5	6	3	20	106	65,5	G ¹ / ₂ B	106	7	22
Ms										
100	33,5	6	3	20	106	76,5	G ¹ / ₂ B	106	7	22
VA										

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	clamp fixing	RF100Gly D751	●	85201751
-1/+0.6 bar	clamp fixing	RF100Gly D751	●	85202751
-1/+1.5 bar	clamp fixing	RF100Gly D751	●	85203751
-1/+3 bar	clamp fixing	RF100Gly D751	●	85204751
-1/+5 bar	clamp fixing	RF100Gly D751	●	85205751
-1/+9 bar	clamp fixing	RF100Gly D751	●	85206751
-1/+15 bar	clamp fixing	RF100Gly D751	●	85207751
0/1 bar	clamp fixing	RF100Gly D751	●	85210751
0/1.6 bar	clamp fixing	RF100Gly D751	●	85211751
0/2.5 bar	clamp fixing	RF100Gly D751	●	85212751
0/4 bar	clamp fixing	RF100Gly D751	●	85213751
0/6 bar	clamp fixing	RF100Gly D751	●	85214751
0/10 bar	clamp fixing	RF100Gly D751	●	85215751
0/16 bar	clamp fixing	RF100Gly D751	●	85216751
0/25 bar	clamp fixing	RF100Gly D751	●	85217751
0/40 bar	clamp fixing	RF100Gly D751	●	85218751
0/60 bar	clamp fixing	RF100Gly D751	●	85219751
0/100 bar	clamp fixing	RF100Gly D751	●	85220751
0/160 bar	clamp fixing	RF100Gly D751	●	85221751
0/250 bar	clamp fixing	RF100Gly D751	●	85222751

D751