



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

80

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, bottom

Measuring element

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

movement

Brass

Dial

Aluminium, white
Scaling: black
RF80Gly

Pointer

Aluminium, black

Housing

Stainless steel 304, with blow-out

crimped bezel

Stainless steel 304

window

Plastic

Options

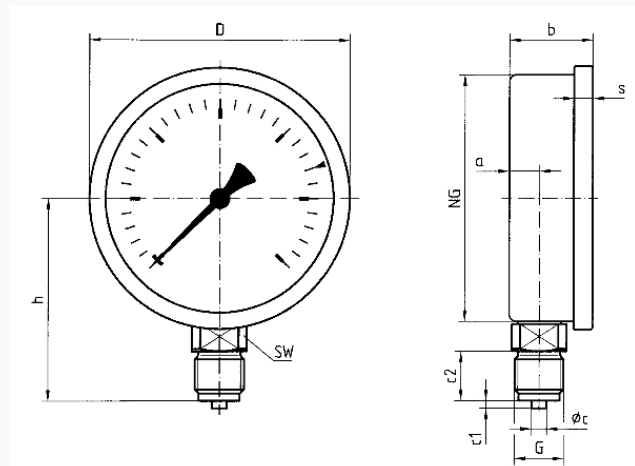
- Filling liquid silicone oil
- Back flange (NG 63/80/100)
- clamp fixing
- 3-hole fixing, panel mounting bezel
- crimped bezel polished
- measuring system stainless steel (up to 1,000 bar, NG 80/100)
- special scales
- Clip reference pointer, red, adjustable (NG 63)
- throttle screw
- other process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

filling liquid

glycerine (99.5 %)

Technical Drawings

NG 80/100 – bottom connection



Dimensions (mm)

NG	a	b	Øc	c1	c2	D	G	h	s	SW
80	12,2	33,5	6	3	20	85	G½B	71	7	22
Ms										
80 VA	12,2	33,5	6	3	20	85	G½B	79,5	7	22
100	12,2	33,5	6	3	20	106	G½B	81	7	22
Ms										
100 VA	11,8	33,5	6	3	20	106	G½B	90	7	22

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	direct	RF80Gly D701	●	85151701
-1/+0.6 bar	direct	RF80Gly D701	●	85152701
-1/+1.5 bar	direct	RF80Gly D701	●	85153701
-1/+3 bar	direct	RF80Gly D701	●	85154701
-1/+5 bar	direct	RF80Gly D701	●	85155701
-1/+9 bar	direct	RF80Gly D701	●	85156701
-1/+15 bar	direct	RF80Gly D701	●	85157701
0/1 bar	direct	RF80Gly D701	●	85160701
0/1.6 bar	direct	RF80Gly D701	●	85161701
0/2.5 bar	direct	RF80Gly D701	●	85162701
0/4 bar	direct	RF80Gly D701	●	85163701
0/6 bar	direct	RF80Gly D701	●	85164701
0/10 bar	direct	RF80Gly D701	●	85165701
0/16 bar	direct	RF80Gly D701	●	85166701
0/25 bar	direct	RF80Gly D701	●	85167701
0/40 bar	direct	RF80Gly D701	●	85168701
0/60 bar	direct	RF80Gly D701	●	85169701
0/100 bar	direct	RF80Gly D701	●	85170701
0/160 bar	direct	RF80Gly D701	●	85171701
0/250 bar	direct	RF80Gly D701	●	85172701

D701