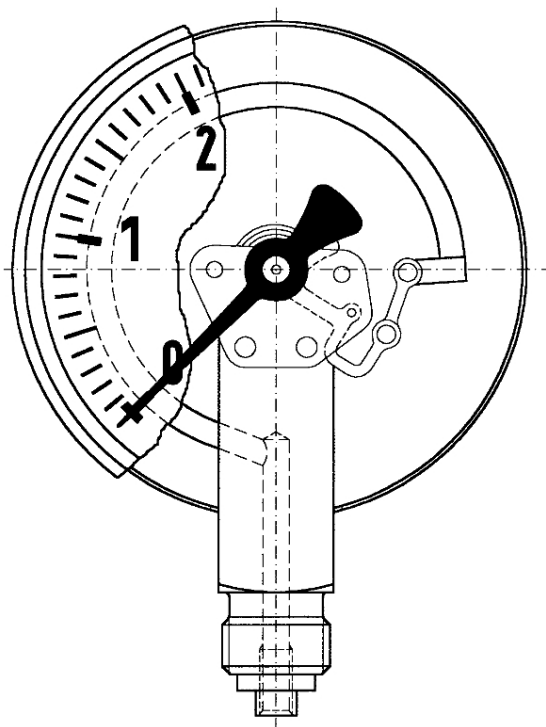




Glycerine filled Bourdon tube pressure gauge type D7

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

50

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
RF50Gly

Pointer

Aluminium, black

Housing

Stainless steel 304, with blow-out

crimped bezel

Stainless steel 304

filling liquid

glycerine (99.5 %)

window

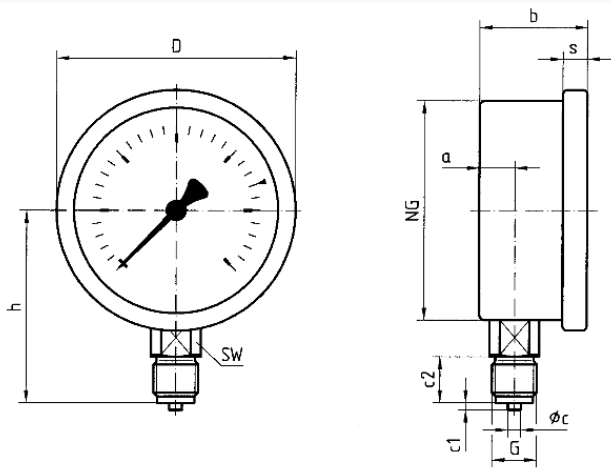
Plastic

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 50/63 – bottom connection



Dimensions (mm)

NG	a	b	Øc	c1	c2	D	G	h	s	SW
50	11	28	5	2	13	53	G $\frac{1}{4}$ B	45,5	4,5	14
63	9,5	30,5	5	2	13	68	G $\frac{1}{4}$ B	53	7	14

Range	Mounting type	Type	Part number
-1/+0 bar	direct	RF50Gly D701	85051701
-1/+0.6 bar	direct	RF50Gly D701	85052701
-1/+1.5 bar	direct	RF50Gly D701	85053701
-1/+3 bar	direct	RF50Gly D701	85054701
-1/+5 bar	direct	RF50Gly D701	85055701
-1/+9 bar	direct	RF50Gly D701	85056701
-1/+15 bar	direct	RF50Gly D701	85057701
0/0.6 bar	direct	RF50Gly D701	85059701
0/1 bar	direct	RF50Gly D701	85060701
0/1.6 bar	direct	RF50Gly D701	85061701
0/2.5 bar	direct	RF50Gly D701	85062701
0/4 bar	direct	RF50Gly D701	85063701
0/6 bar	direct	RF50Gly D701	85064701
0/10 bar	direct	RF50Gly D701	85065701
0/16 bar	direct	RF50Gly D701	85066701
0/25 bar	direct	RF50Gly D701	85067701
0/40 bar	direct	RF50Gly D701	85068701
0/60 bar	direct	RF50Gly D701	85069701
0/100 bar	direct	RF50Gly D701	85070701
0/160 bar	direct	RF50Gly D701	85071701
Industrial technology / Mechanical pressure measuring instruments / RF50Gly D701			3 /
0/400 bar	direct	RF50Gly D701	85073701