



Glycerine filled Bourdon tube pressure gauge type D7

housing ø (nominal size)	63 mm
Connection	G $\frac{1}{4}$ B
alignment	bottom
accuracy class	1.6
standard	EN 837-1

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
63

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
RF63Gly
dual scale, bar outer, black – psi inner, red

Pointer
Aluminium, black

Housing
Stainless steel 304, with blow-out

crimped bezel

Stainless steel 304

window

Plastic

filling liquid

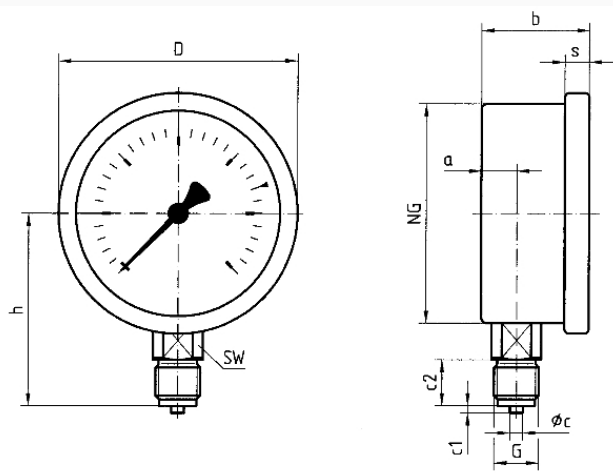
glycerine (99.5 %)

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	RF63Gly D701		85101701
-1/+0.6 bar	direct	RF63Gly D701		85102701
-1/+1.5 bar	direct	RF63Gly D701		85103701
-1/+3 bar	direct	RF63Gly D701		85104701
-1/+5 bar	direct	RF63Gly D701		85105701
-1/+9 bar	direct	RF63Gly D701		85106701
-1/+15 bar	direct	RF63Gly D701		85107701
0/0.6 bar	direct	RF63Gly D701		85109701
0/1 bar	direct	RF63Gly D701		85110701
0/1.6 bar	direct	RF63Gly D701		85111701
0/2.5 bar	direct	RF63Gly D701		85112701
0/4 bar	direct	RF63Gly D701		85113701
0/6 bar	direct	RF63Gly D701		85114701
0/10 bar	direct	RF63Gly D701		85115701
0/16 bar	direct	RF63Gly D701		85116701
0/25 bar	direct	RF63Gly D701		85117701
0/40 bar	direct	RF63Gly D701		85118701
0/60 bar	direct	RF63Gly D701		85119701
0/100 bar	direct	RF63Gly D701		85120701
0/160 bar	direct	RF63Gly D701		85121701
Industrial technology / Mechanical pressure measuring instruments / RF63Gly D701				3 / 3
0/315 bar	direct	RF63Gly D701		86818701