



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, centre back

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 %)

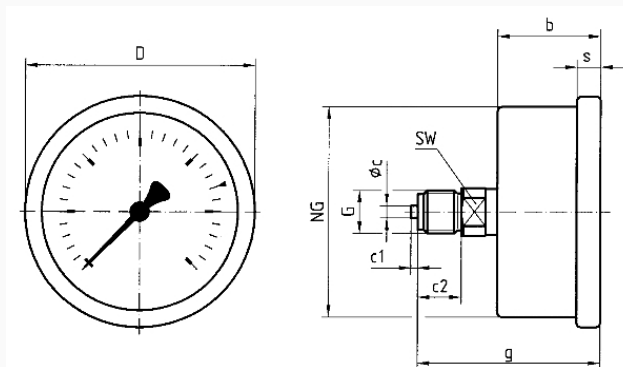
window
Plastic

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 – centre back connection



Dimensions (mm)

NG	b	Øc	c1	c2	D	G	g	s	SW
50	28	5	2	13	53	G¼B	51	4,5	14
63	30,5	5	2	13	68	G¼B	53,3	7	14

Range	Mounting type	Type		Part number
-1/+0 bar	direct	RF50Gly D711		85051711
-1/+0.6 bar	direct	RF50Gly D711		85052711
-1/+1.5 bar	direct	RF50Gly D711		85053711
-1/+3 bar	direct	RF50Gly D711		85054711
-1/+5 bar	direct	RF50Gly D711		85055711
-1/+9 bar	direct	RF50Gly D711		85056711
-1/+15 bar	direct	RF50Gly D711		85057711
0/0.6 bar	direct	RF50Gly D711		85059711
0/1 bar	direct	RF50Gly D711		85060711
0/1.6 bar	direct	RF50Gly D711		85061711
0/2.5 bar	direct	RF50Gly D711		85062711
0/4 bar	direct	RF50Gly D711		85063711
0/6 bar	direct	RF50Gly D711		85064711
0/10 bar	direct	RF50Gly D711		85065711
0/16 bar	direct	RF50Gly D711		85066711
0/25 bar	direct	RF50Gly D711		85067711
0/40 bar	direct	RF50Gly D711		85068711
0/60 bar	direct	RF50Gly D711		85069711
0/100 bar	direct	RF50Gly D711		85070711
0/160 bar	direct	RF50Gly D711		85071711
Industrial technology / Mechanical pressure measuring instruments		D711 / RF50Gly D711		3 / 3
0/400 bar	direct	RF50Gly D711		85073711