



Glycerine filled Bourdon tube pressure gauges RF50Gly

Part no. 85051751

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

standard version

Connection

Brass, centre back

Measuring element

Bourdon tube

≤ 60 bar: "C" type tube

> 60 bar: helical tube

movement

Brass

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

Degree of protection

IP 54 (EN 60529) with housing vent (≤ 25 bar)

Dial

Aluminium, white

Scaling: black

RF50Gly

Pointer

Aluminium, black

Housing

Stainless steel 304, with blow-out

crimped bezel

Stainless steel 304

window
Plastic

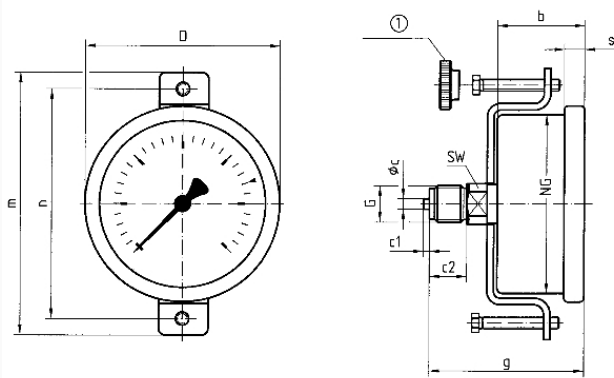
filling liquid
glycerine (99.5 %)

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 – centre back connection, with clamp fixing



Dimensions (mm)

NG	b	Øc	c1	c2	D	G	g	m	n	s	SW
50	28	5	2	13	53	G ¹ / ₄ B	51	82	73	4,5	14
63	30,5	5	2	13	68	G ¹ / ₄ B	53,3	94	82	7	14

Versions

Range	Mounting type	Type	Part number
-1/+0 bar	clamp fixing	RF50Gly D751	85051751

- in-stock items
- Non-stock items