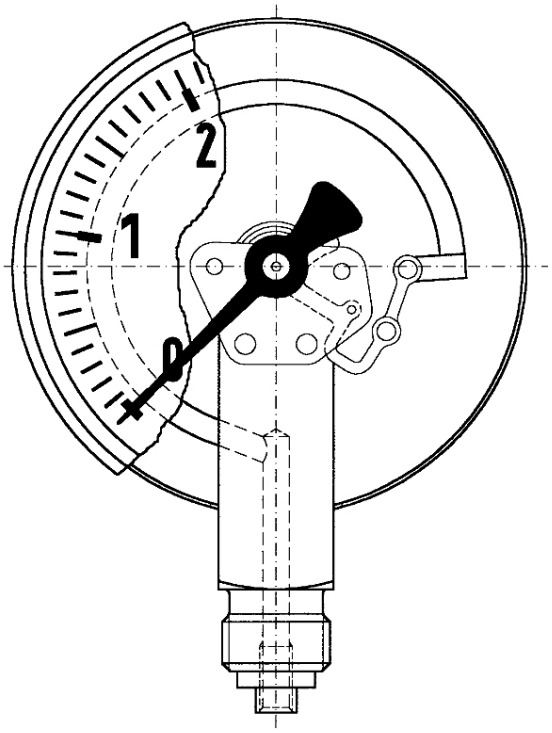


Glycerine filled Bourdon tube pressure gauges RF100Gly

Part no. 85221701

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
100

accuracy class (EN 837-1/6)
1.6

ranges (EN 837-1/5)
see ordering table

application area
static load: ¾ x full scale value
dynamic load: ⅔ x full scale value
short-term: Full scale value

Operating temperature range
Medium: max. 60 °C
Ambient: -20/+60 °C

Degree of protection
IP 65 (EN 60529)

standard version

Connection
Brass, bottom

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

movement
Brass

Dial
Aluminium, white
Scaling: black
RF100Gly

Pointer
Aluminium, black

Housing
Stainless steel 304, with blow-out

crimped bezel
Stainless steel 304

window
Plastic

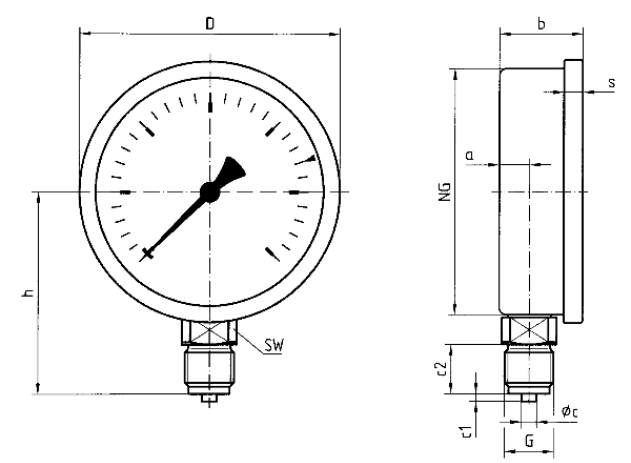
filling liquid
glycerine (99.5 %)

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 80/100 – bottom connection



Dimensions (mm)

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

Versions

Range	Mounting type	Type		Part number
0/160 bar	direct	RF100Gly D701	●	85221701

● in-stock items

○ Non-stock items