Standard Bourdon tube pressure gauges RF80

Part no. 85171201

Standard Bourdon tube pressure gauge type D2

benefits

- for pneumatic and heating system applications (NG 40 - 50 - 63)
- for domestic technology and mechanical engineering applications (NG 80 - 100 - 160)
- robust steel housing
- window with adjustable reference pointer (NG 80 - 100)
- with reference pointer on dial (NG 160)
- Accuracy class 1.6
- many customised versions available

Application

For gaseous and liquid media which are not highly viscous, do not crystallise and do not attack copper alloys.
! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2"!

Technical Specifications

Type
D2

Nominal size
80

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

Temperature performance
Indication error when the temperature of the measuring system deviates from the normal temperature of 20 °C:
at rising temperature approx. ± 0.4 %/10 K
falling temperature approx. ± 0.4 %/10 K
of full scale value

Degree of protection
IP 32 (EN 60529)

standard version

Connection
Brass, bottom

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

movement
Brass

Dial
NG 80
Plastic, white
D201
black

Scale
D201

Pointer
NG 80
Plastic, black

Housing
Sheet steel, black

push on bezel
NG 80

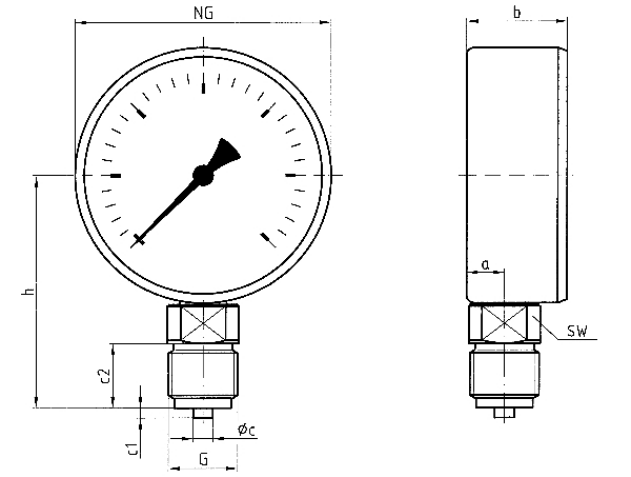
window
NG 80
Plastic, clipped in, with adjustable red reference pointer

Options

- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- throttle screw
- Reference pointer
- special scales
- other process connections

Technical Drawings

NG 80/100 – bottom connection



Dimensions (mm)

NG	a	b	∅c	c1	c2	G	h	SW
80	11,7	31	6	3	20	G½B	72	14
100	11	29,5	6	3	20	G½B	82	14

Versions

Range	Mounting type	Type		Part number
0/160 bar	direct	RF80 D201	●	85171201

● in-stock items

● Non-stock items