



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

160

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

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)

Connection

Brass, bottom

Measuring element

Bourdon tube, Copper alloy

≤ 60 bar: "C" type tube

> 60 bar: helical tube

movement

Brass

Dial

NG 160
Aluminium, white
D201
black

Scale

D201

Pointer

NG 160
Aluminium, black

Housing

Sheet steel, black

push on bezel

NG 160
Sheet steel, black

window

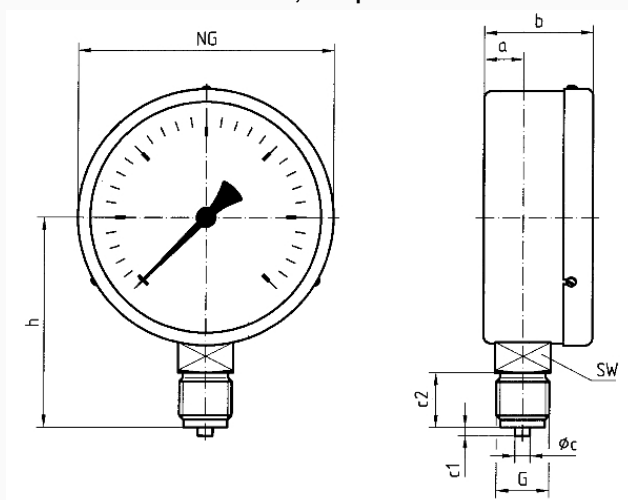
NG 160
Instrument glass, with adjustable red reference pointer

Options

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

Technical Drawings

NG 160 – bottom connection, with push on bezel



Dimensions (mm)

NG	a	b	Øc	c1	c2	G	h	SW
160	15,5	50	6	3	20	G½B	116	22

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	direct	RF160 D201	●	85251201
-1/+0.6 bar	direct	RF160 D201	●	85252201
-1/+1.5 bar	direct	RF160 D201	●	85253201
-1/+3 bar	direct	RF160 D201	●	85254201
-1/+5 bar	direct	RF160 D201	●	85255201
-1/+9 bar	direct	RF160 D201	●	85256201
-1/+15 bar	direct	RF160 D201	●	85257201
0/0.6 bar	direct	RF160 D201	●	85259201
0/1 bar	direct	RF160 D201	●	85260201
0/1.6 bar	direct	RF160 D201	●	85261201
0/2.5 bar	direct	RF160 D201	●	85262201
0/4 bar	direct	RF160 D201	●	85263201
0/6 bar	direct	RF160 D201	●	85264201
0/10 bar	direct	RF160 D201	●	85265201
0/16 bar	direct	RF160 D201	●	85266201
0/25 bar	direct	RF160 D201	●	85267201
0/40 bar	direct	RF160 D201	●	85268201

● in-stock items

● Non-stock items