



Standard Bourdon tube pressure gauges RF63

Part no. 85121231

Standard Bourdon tube pressure gauges 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

63

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, centre back

Measuring element

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

movement

Brass

Dial

NG 63
Plastic, white
D231

Scale

D231
dual scale, bar outer, black – psi inner, red

Pointer

NG 63
Plastic, black

Housing

Sheet steel, black

push on bezel

NG 63

window

NG 63
Plastic, clipped in

Options

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

Technical Drawings

NG 40/50/63 – centre back connection, 3-hole fixing, panel mounting bezel



Dimensions (mm)

| NG | b2 | ∅c | c1 | c2 | d1 | d2 | d3 | d4 | d5 | g1 | G | s1 | s2 | SW |
|----|------|----|----|----|----|----|-----|----|------|------|------------------------------------|-----|----|----|
| 40 | 26 | 4 | 2 | 10 | 51 | 61 | 3,6 | 41 | 45 | 42,5 | G ³ / ₈ B2,5 | 2,5 | 2 | 12 |
| 50 | 27,5 | 5 | 2 | 13 | 60 | 71 | 3,6 | 50 | 54 | 49 | G ³ / ₈ B2,5 | 2,5 | 2 | 14 |
| 63 | 30,3 | 5 | 2 | 13 | 75 | 85 | 3,6 | 63 | 66,5 | 51,3 | G ³ / ₈ B2,5 | 2,5 | 2 | 14 |

Versions

| Range | Mounting type | Type | | Part number |
|-----------|-------------------------------------|--------------|-----------------------|-------------|
| 0/160 bar | 3-hole fixing, panel mounting bezel | RF63 D231 | <input type="radio"/> | 85121231 |

- in-stock items
- Non-stock items