



Standard Bourdon tube pressure gauges RF40

Part no. 85018231

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

40

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. $\pm 0.4 \text{ } \%/10 \text{ K}$

falling temperature approx. $\pm 0.4 \text{ } \%/10 \text{ K}$

of full scale value

Degree of protection

IP 32 (EN 60529)

Connection

Brass, centre back

Measuring element

Bourdon tube, Copper alloy

$\leq 60 \text{ bar}$: "C" type tube

$> 60 \text{ bar}$: helical tube

movement

Brass

Dial

NG 40

Plastic, white

D231

Scale

D231

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

Pointer

NG 40

Plastic, black

Housing

Sheet steel, black

push on bezel

NG 40

window

NG 40

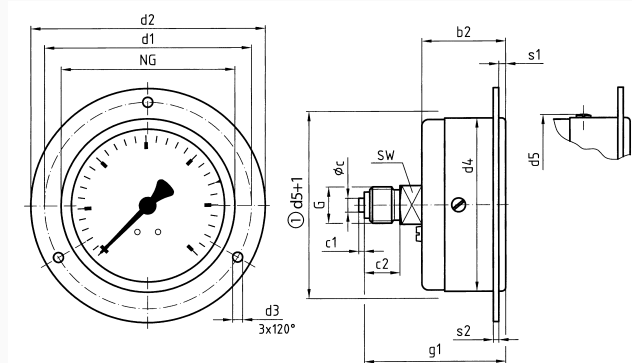
Plastic, clipped in

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	Øc	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 $\frac{1}{8}$ B 2,5	2	12	
50	27,5	5	2	13	60	71	3,6	50	54	49	G $\frac{1}{4}$ B 2,5	2	14	
63	30,3	5	2	13	75	85	3,6	63	66,5	51,3	G $\frac{1}{4}$ B 2,5	2	14	

Versions

Range	Mounting type	Type		Part number
0/40 bar	3-hole fixing, panel mounting bezel	RF40 D231		85018231

-  in-stock items
-  Non-stock items