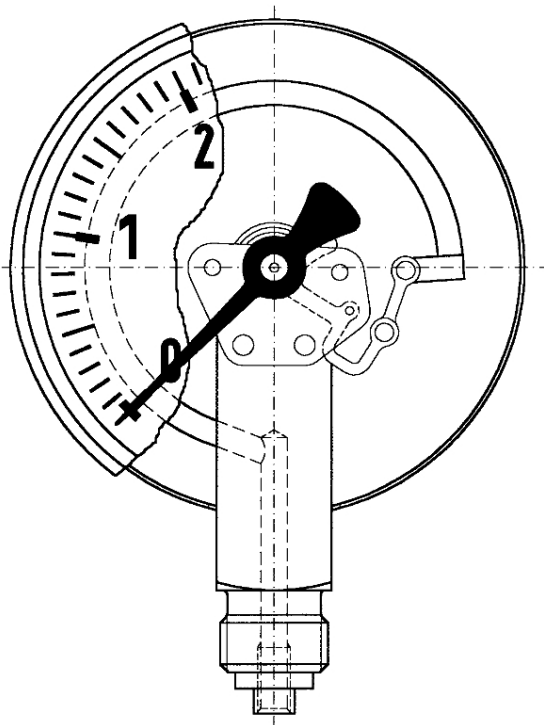




Bourdon tube pressure gauges with screw bezel housing type D1

benefits

- for machine and plant engineering
- extremely robust plastic housing (PA 6.6 GB30)
- laminated safety glass window
- higher accuracy class optional

Application

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

Technical Specifications

Type

D1

Nominal size

100

accuracy class (EN 837-1/6)

1.0

ranges (EN 837-1/5)

see ordering table

application area

≤ 600 bar: Full scale value
> 600 bar: $\frac{3}{4}$ x full scale value
≤ 600 bar: 0.9 x full scale value
> 600 bar: $\frac{2}{3}$ x full scale value
≤ 600 bar: 1.3 x full scale value
> 600 bar: 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

Connection

Brass, bottom

Measuring element

Bourdon tube

≤ 60 bar: "C" type tube, Copper alloy

> 60 bar: helical tube, stainless steel 316 Ti/316 L

movement

Brass

Dial

Aluminium, white
Scaling: black

Pointer

Aluminium, black

Housing

plastic (PA 6.6 GB30), with blow-out

Screw type bezel

plastic (PA 6.6 GB30)

window

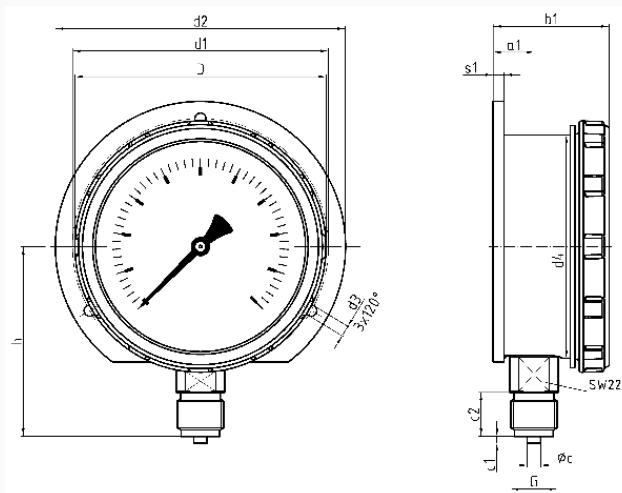
Laminated safety glass

Options

- Glycerine filling (type D 6)
- higher accuracy class
- throttle screw
- special scales
- other process connections
- micro-adjustable pointer

Technical Drawings

Bottom connection, back flange



Dimensions (mm)

NG	a1	b1	Øc	c1	c2	d1	d2	d3	d4	D	G	h	s1
100	18,5	52,5	6	3	20	116	131,5	5	101	114	G½B	86	5

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	back flange	RF100ISR D171	●	85301171
-1/+0.6 bar	back flange	RF100ISR D171	●	85302171
-1/+1.5 bar	back flange	RF100ISR D171	●	85303171
-1/+3 bar	back flange	RF100ISR D171	●	85304171
-1/+5 bar	back flange	RF100ISR D171	●	85305171
-1/+9 bar	back flange	RF100ISR D171	●	85306171
-1/+15 bar	back flange	RF100ISR D171	●	85307171
0/0.6 bar	back flange	RF100ISR D171	●	85309171
0/1 bar	back flange	RF100ISR D171	●	85310171
0/1.6 bar	back flange	RF100ISR D171	●	85311171
0/2.5 bar	back flange	RF100ISR D171	●	85312171
0/4 bar	back flange	RF100ISR D171	●	85313171
0/6 bar	back flange	RF100ISR D171	●	85314171
0/10 bar	back flange	RF100ISR D171	●	85315171
0/16 bar	back flange	RF100ISR D171	●	85316171
0/25 bar	back flange	RF100ISR D171	●	85317171
0/40 bar	back flange	RF100ISR D171	●	85318171
0/60 bar	back flange	RF100ISR D171	●	85319171

0/100 bar	back flange	RF100ISR D171	●	85320171
0/160 bar	back flange	RF100ISR D171	●	85321171
0/250 bar	back flange	RF100ISR D171	●	85322171
0/400 bar	back flange	RF100ISR D171	●	85323171
0/600 bar	back flange	RF100ISR D171	●	85324171

- in-stock items
- Non-stock items