



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

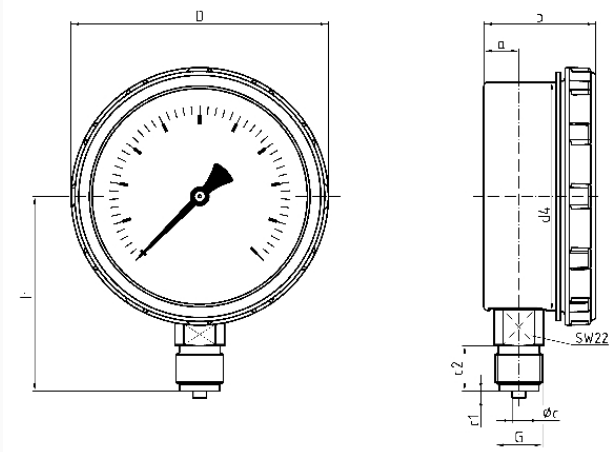
Laminated safety glass

Options

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

Technical Drawings

Bottom connection



Dimensions (mm)

NG	a	b	Øc	c1	c2	d4	D	G	h
100	15,5	50	6	3	20	101	114	G½B	86

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	direct	RF100ISR D101	●	85301101
-1/+0.6 bar	direct	RF100ISR D101	●	85302101
-1/+1.5 bar	direct	RF100ISR D101	●	85303101
-1/+3 bar	direct	RF100ISR D101	●	85304101
-1/+5 bar	direct	RF100ISR D101	●	85305101
-1/+9 bar	direct	RF100ISR D101	●	85306101
-1/+15 bar	direct	RF100ISR D101	●	85307101
0/0.6 bar	direct	RF100ISR D101	●	85309101
0/1 bar	direct	RF100ISR D101	●	85310101
0/1.6 bar	direct	RF100ISR D101	●	85311101
0/2.5 bar	direct	RF100ISR D101	●	85312101
0/4 bar	direct	RF100ISR D101	●	85313101
0/6 bar	direct	RF100ISR D101	●	85314101
0/10 bar	direct	RF100ISR D101	●	85315101
0/16 bar	direct	RF100ISR D101	●	85316101
0/25 bar	direct	RF100ISR D101	●	85317101
0/40 bar	direct	RF100ISR D101	●	85318101
0/60 bar	direct	RF100ISR D101	●	85319101

0/100 bar	direct	RF100ISR D101	●	85320101
0/160 bar	direct	RF100ISR D101	●	85321101
0/250 bar	direct	RF100ISR D101	●	85322101
0/400 bar	direct	RF100ISR D101	●	85323101
0/600 bar	direct	RF100ISR D101	●	85324101
0/1000 bar	direct	RF100ISR D101	●	85325101

● in-stock items

● Non-stock items