



Bourdon tube pressure gauges for industrial applications type D4

housing $\varnothing$ (nominal size)	100 mm
Connection	G $\frac{1}{2}$ B
alignment	bottom
accuracy class	1.0
standard	EN 837-1

benefits

- for machine and plant engineering
- robust, stainless steel housing with bayonet bezel
- can be equipped with electrical contact
- DNV-GL- and GOSSTANDART-certified

Application

For gaseous and liquid media which are not highly viscous, do not crystallise and do not attack copper alloys. For high accuracy and rough application conditions.

! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

Technical Specifications

Type
D4

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

Degree of protection

IP 54 (EN 60529)

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

Stainless steel 304, with blow-out

bayonet bezel

Stainless steel 304

window

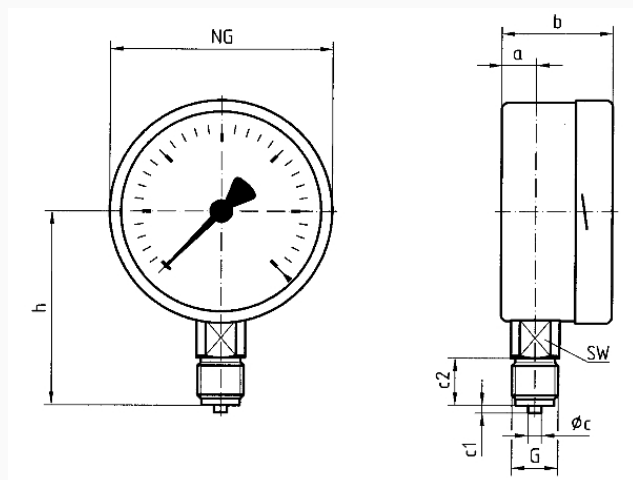
Instrument glass

Options

- back flange
- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- laminated safety glass window
- throttle screw
- Reference pointer
- Electrical contacts
- special scales
- other process connections

Technical Drawings

Bottom connection



Dimensions (mm)

NG	a	b	Øc	c1	c2	G	h	SW
100	15,6	49	6	3	20	G½B	86	22
160	17,5	50	6	3	20	G½B	116	22
250	16	57	6	3	20	G½B	165	22

Versions

Range	Mounting type	Type		Part number
-1/+0 bar	direct	RF100I D401	●	85301401
-1/+0.6 bar	direct	RF100I D401	●	85302401
-1/+1.5 bar	direct	RF100I D401	●	85303401
-1/+3 bar	direct	RF100I D401	●	85304401
-1/+5 bar	direct	RF100I D401	●	85305401
-1/+9 bar	direct	RF100I D401	●	85306401
-1/+15 bar	direct	RF100I D401	●	85307401
0/0.6 bar	direct	RF100I D401	●	85309401
0/1 bar	direct	RF100I D401	●	85310401
0/1.6 bar	direct	RF100I D401	●	85311401
0/2.5 bar	direct	RF100I D401	●	85312401
0/4 bar	direct	RF100I D401	●	85313401
0/6 bar	direct	RF100I D401	●	85314401
0/10 bar	direct	RF100I D401	●	85315401
0/16 bar	direct	RF100I D401	●	85316401
0/25 bar	direct	RF100I D401	●	85317401
0/40 bar	direct	RF100I D401	●	85318401
0/60 bar	direct	RF100I D401	●	85319401

0/100 bar	direct	RF100I D401	●	85320401
0/160 bar	direct	RF100I D401	●	85321401
0/250 bar	direct	RF100I D401	●	85322401
0/400 bar	direct	RF100I D401	●	85323401
0/600 bar	direct	RF100I D401	●	85324401
0/1000 bar	direct	RF100I D401	●	85325401

● in-stock items

● Non-stock items