Bourdon tube pressure gauges for industrial applications type D4

housing ⌀ (nominal size)	160 mm
Connection	G½B
alignment	bottom back
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
160

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: ¾ x full scale value
≤ 600 bar: 0.9 x full scale value
> 600 bar: ⅔ 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 back

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

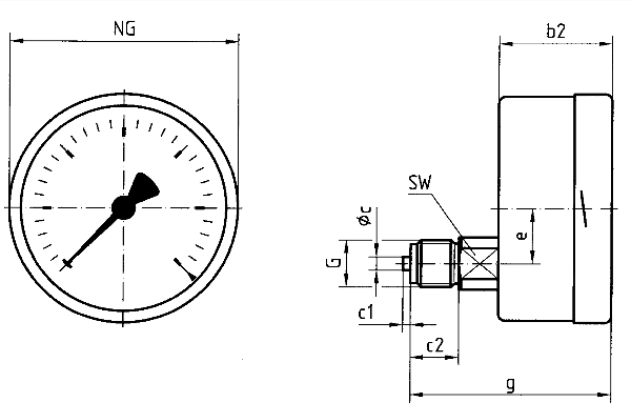
window
Instrument glass

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 back connection



Dimensions (mm)

NG	b2	∅c	c1	c2	e	G	g	SW
100	49	6	3	20	26,5	G½B	81	22
160	50	6	3	20	26,5	G½B	82	22
250	-	6	3	20	-	G½B	-	22

Versions

Range	Mounting type	Type	Part number
-1/+0 bar	direct	RF160I D411	85351411
-1/+0.6 bar	direct	RF160I D411	85352411
-1/+1.5 bar	direct	RF160I D411	85353411
-1/+3 bar	direct	RF160I D411	85354411
-1/+5 bar	direct	RF160I D411	85355411
-1/+9 bar	direct	RF160I D411	85356411
-1/+15 bar	direct	RF160I D411	85357411
0/0.6 bar	direct	RF160I D411	85359411
0/1 bar	direct	RF160I D411	85360411
0/1.6 bar	direct	RF160I D411	85361411
0/2.5 bar	direct	RF160I D411	85362411
0/4 bar	direct	RF160I D411	85363411
0/6 bar	direct	RF160I D411	85364411
0/10 bar	direct	RF160I D411	85365411
0/16 bar	direct	RF160I D411	85366411
0/25 bar	direct	RF160I D411	85367411
0/40 bar	direct	RF160I D411	85368411
0/60 bar	direct	RF160I D411	85369411

0/100 bar	direct	RF160I D411	●	85370411
0/160 bar	direct	RF160I D411	●	85371411
0/250 bar	direct	RF160I D411	●	85372411
0/400 bar	direct	RF160I D411	●	85373411
0/600 bar	direct	RF160I D411	●	85374411
0/1000 bar	direct	RF160I D411	●	85375411

● in-stock items

● Non-stock items