Precision Bourdon tube pressure gauge type D4

housing ⌀ (nominal size)	160 mm
Connection	G½B
alignment	bottom
accuracy class	0.6
standard	EN 837-1

benefits

- high accuracy (class 0.6)
- housing can be sealed
- Serial number on dial
- suitable as measuring equipment as per QA requirements
- DNV- and GOSSTANDART-certified

Application

For gaseous and liquid media which are not corrosive and not highly viscous and which do not crystallise. For high measuring accuracy.
! 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)
0.6

ranges
see ordering table

application area
static load: Full scale value
dynamic load: 0.9 x 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/nickel silver, jewel bearing

Dial
Aluminium, white
Scaling: black
NG 160

Pointer
knife edge pointer
Aluminium, black

Housing
Stainless steel 304

bayonet bezel
Stainless steel 304

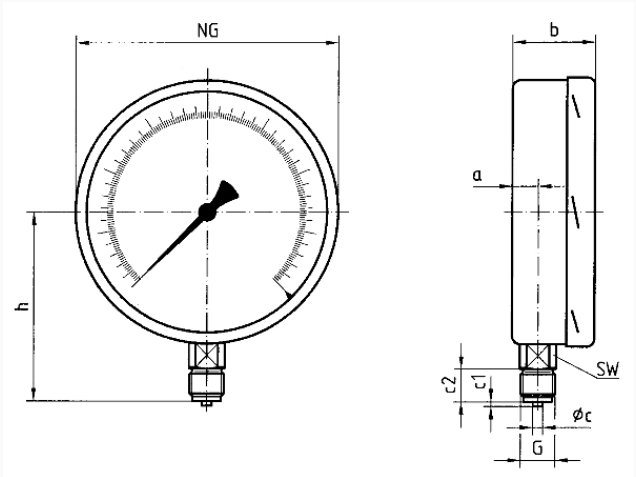
window
Plastic (PMMA)

Options

- factory test certificates
- Glycerine filling (type D 8) > 2.5 bar
- wetted parts stainless steel (type D 4x2)
- laminated safety glass window
- back flange
- 3-hole fixing, panel mounting bezel
- throttle screw
- special scales
- other process connections

Technical Drawings

Bottom connection



Dimensions (mm)

NG	a	b	∅c	c1	c2	G	h	SW
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	RF160F D401	○	85701401
-1/+0.6 bar	direct	RF160F D401	○	85702401
-1/+1.5 bar	direct	RF160F D401	○	85703401
-1/+3 bar	direct	RF160F D401	○	85704401
-1/+5 bar	direct	RF160F D401	○	85705401
-1/+9 bar	direct	RF160F D401	○	85706401
-1/+15 bar	direct	RF160F D401	○	85707401
0/0.6 bar	direct	RF160F D401	○	85709401
0/1 bar	direct	RF160F D401	○	85710401
0/1.6 bar	direct	RF160F D401	○	85711401
0/2.5 bar	direct	RF160F D401	○	85712401
0/4 bar	direct	RF160F D401	●	85713401
0/6 bar	direct	RF160F D401	●	85714401
0/10 bar	direct	RF160F D401	●	85715401
0/16 bar	direct	RF160F D401	●	85716401
0/25 bar	direct	RF160F D401	●	85717401
0/40 bar	direct	RF160F D401	○	85718401
0/60 bar	direct	RF160F D401	○	85719401

0/100 bar	direct	RF160F D401	○	85720401
0/160 bar	direct	RF160F D401	○	85721401
0/250 bar	direct	RF160F D401	○	85722401
0/400 bar	direct	RF160F D401	○	85723401

● in-stock items

○ Non-stock items