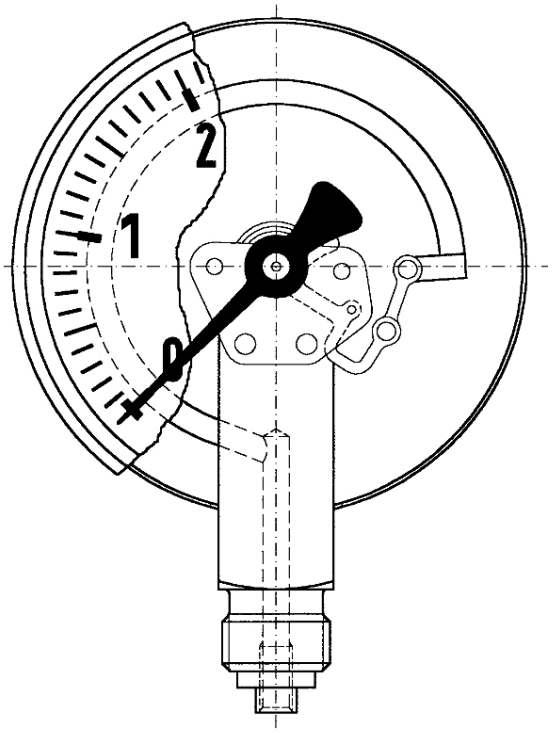



# Precision Bourdon tube pressure gauges RF160F

**Part no. 85703411**

**Precision Bourdon tube pressure gauge type D4**

## 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

**Calibration medium**
≤ 40 bar
Air

**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)

**standard version**

**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/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

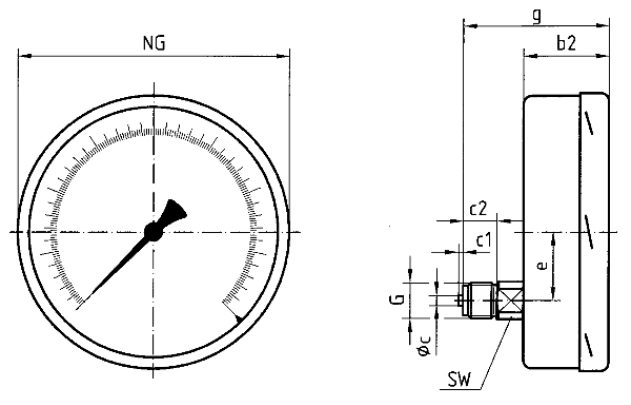
**window**
Plastic (PMMA)

## 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

**NG 160 – bottom back connection**




**Dimensions (mm)**

| NG | b2 | ∅c | c1 | c2 | e | G | g | SW |
|---|---|---|---|---|---|---|---|---|
| 160 | 50 | 6 | 3 | 20 | 44,5 | G½B | 82 | 22 |

## Versions

| Range | Mounting type | Type | | Part number |
|---|---|---|---|---|
| -1/+1.5 bar | direct | RF160F D411 | ● | 85703411 |

● in-stock items

○ Non-stock items