



## Bourdon tube safety pressure gauges RF100Si

Part no. 85457402

Bourdon tube safety pressure gauges Type D4

### benefits

- Safety housing S3 as per EN 837-1/9.7.2
- measuring system fully welded to housing
- tightness-tested with helium
- DNV- and GOSSTANDART-certified
- Ex version (optional)

### Application

For corrosive gaseous and liquid media which are not highly viscous and do not crystallise; suitable for corrosive environments. This gauge is designed for applications as per EN 837-1/9.7.2.

### Technical Specifications

#### Type

D4

#### Nominal size

100

#### accuracy class

EN 837-1/6

NG 100

1.0

#### ranges (EN 837-1/5)

see ordering table

#### application area

≤ 600 bar: Full scale value

> 600 bar: ¼ 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. 100 °C

Ambient: -20/+60 °C

#### Degree of protection

IP 54 (EN 60529)

#### Connection

Stainless steel 316 L, bottom

#### Measuring element

Bourdon tube

stainless steel 316 Ti/316 L

≤ 60 bar: "C" type tube

> 60 bar: helical tube

tightness-tested with helium

#### movement

Stainless steel

**Dial**

Aluminium, white  
Scaling: black

**Pointer**

Aluminium, black

**Housing**

Stainless steel 304, with solid baffle wall and blow-out (S3)

**bayonet bezel**

Stainless steel 304

**window**

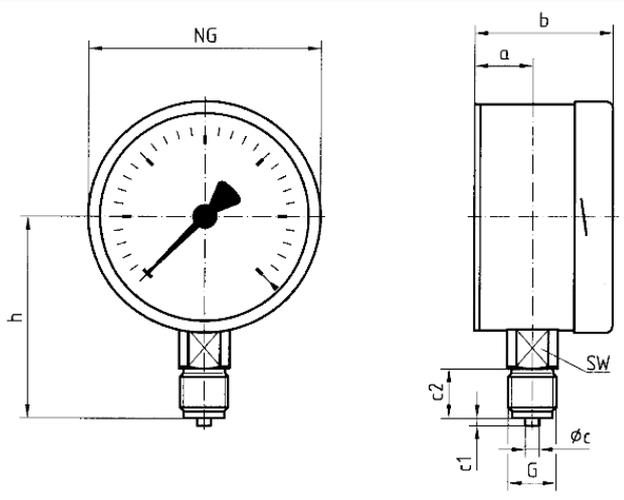
Laminated safety glass

**Options**

- Glycerine filling (bottom version type D8)
- 3-hole fixing, panel mounting bezel
- Ex version
- special scales
- other process connections

**Technical Drawings**

**NG 100/160 – bottom connection**



**Dimensions (mm)**

NG	a	b	Øc	c1	c2	G	h	SW
100	27	60	6	3	20	G½B	86	22
160	40	78	6	3	20	G½B	118	22

## Versions

Range	Mounting type	Type	Part number
-1/+15 bar	direct	RF100Si D402	85457402

- in-stock items
- Non-stock items