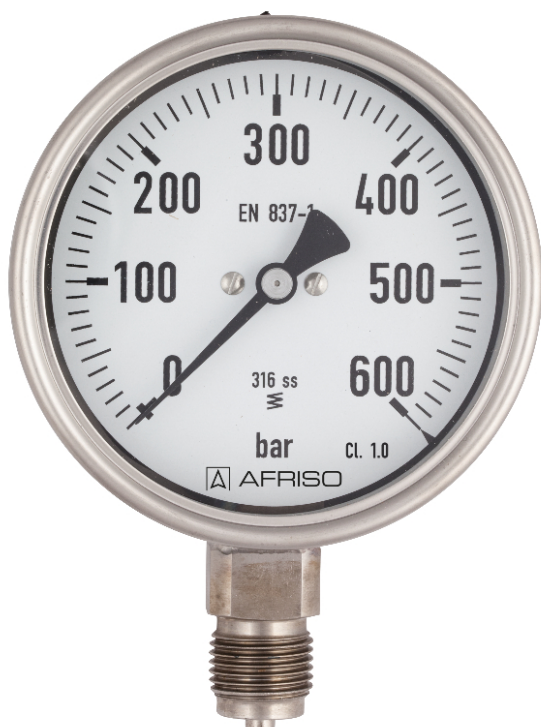




## Bourdon tube pressure gauge for chemical applications type D4

|                          |          |
|--------------------------|----------|
| housing ø (nominal size) | 160 mm   |
| Connection               | G½B      |
| alignment                | bottom   |
| accuracy class           | 1.0      |
| standard                 | EN 837-1 |

### benefits

- for chemical and process engineering applications
- measuring system fully welded to housing
- extremely robust design
- for temperatures of the medium of up to 200 °C
- 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.

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

## 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 NG100/160

- ≤ 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. 200 °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

### Connection

Stainless steel 316 L, bottom

G½B, SW22 (EN 837-1/7.3)

### 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

## Options

- back flange
- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- Ex version
- Crimped bezel, polished
- Electrical contacts
- special scales
- other process connections

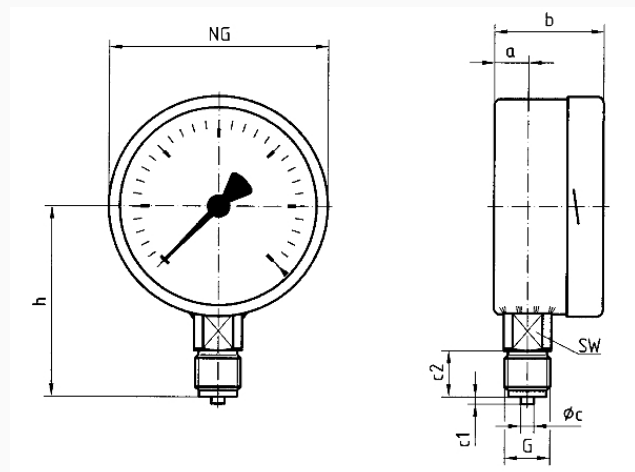
**Housing**  
Stainless steel 304, with blow-out

**bayonet bezel**  
Stainless steel 304

**window**  
Laminated safety glass

## 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 |

## Versions

| Range       | Mounting type | Type            |   | Part number |
|-------------|---------------|-----------------|---|-------------|
| -1/+0 bar   | direct        | RF160Ch<br>D402 | ● | 85251402    |
| -1/+0.6 bar | direct        | RF160Ch<br>D402 | ● | 85252402    |
| -1/+1.5 bar | direct        | RF160Ch<br>D402 | ● | 85253402    |
| -1/+3 bar   | direct        | RF160Ch<br>D402 | ● | 85254402    |
| -1/+5 bar   | direct        | RF160Ch<br>D402 | ● | 85255402    |
| -1/+9 bar   | direct        | RF160Ch<br>D402 | ● | 85256402    |
| -1/+15 bar  | direct        | RF160Ch<br>D402 | ● | 85257402    |
| 0/0.6 bar   | direct        | RF160Ch<br>D402 | ● | 85259402    |
| 0/1 bar     | direct        | RF160Ch<br>D402 | ● | 85260402    |
| 0/1.6 bar   | direct        | RF160Ch<br>D402 | ● | 85261402    |
| 0/2.5 bar   | direct        | RF160Ch<br>D402 | ● | 85262402    |
| 0/4 bar     | direct        | RF160Ch<br>D402 | ● | 85263402    |
| 0/6 bar     | direct        | RF160Ch<br>D402 | ● | 85264402    |
| 0/10 bar    | direct        | RF160Ch<br>D402 | ● | 85265402    |
| 0/16 bar    | direct        | RF160Ch<br>D402 | ● | 85266402    |
| 0/25 bar    | direct        | RF160Ch<br>D402 | ● | 85267402    |
| 0/40 bar    | direct        | RF160Ch<br>D402 | ● | 85268402    |
| 0/60 bar    | direct        | RF160Ch<br>D402 | ● | 85269402    |

|            |        |                 |   |          |
|------------|--------|-----------------|---|----------|
| 0/100 bar  | direct | RF160Ch<br>D402 | ● | 85270402 |
| 0/160 bar  | direct | RF160Ch<br>D402 | ● | 85271402 |
| 0/250 bar  | direct | RF160Ch<br>D402 | ● | 85272402 |
| 0/400 bar  | direct | RF160Ch<br>D402 | ● | 85273402 |
| 0/600 bar  | direct | RF160Ch<br>D402 | ● | 85274402 |
| 0/1000 bar | direct | RF160Ch<br>D402 | ● | 85275402 |
| 0/1600 bar | direct | RF160Ch<br>D402 | ● | 85276402 |

- in-stock items
- Non-stock items