



## Bourdon tube pressure gauges for industrial applications Type D4



### Benefits

- For machine and plant engineering
- Robust, stainless steel housing with bayonet bezel
- Optionally available up to nominal size 250 mm
- Can be equipped with electrical contact
- DNV type approval 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

100 – 160

#### Accuracy class (EN 837-1/6)

1,0

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

See ordering table

#### Application area

Static load

≤ 600 bar: Full scale value  
> 600 bar: ¾ x full scale value

Dynamic load

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

Short-term

≤ 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:  
of full scale value

#### Degree of protection

IP54 (EN 60529)



## Standard version

### Connection

Brass, bottom or 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 type bezel

Stainless steel 304

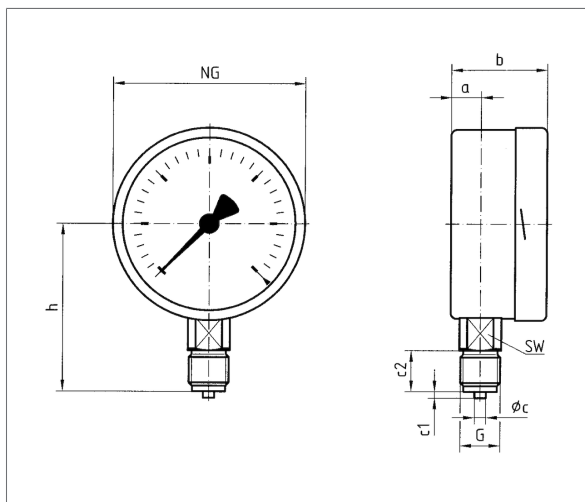
### Window

Instrument glass

## Options

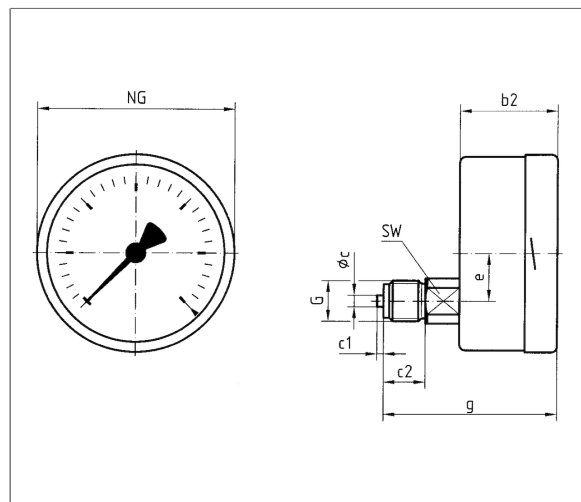
- Nominal size 250 (bottom connection)
- Back flange
- Panel mounting bezel
- 3-hole fixing, panel mounting bezel
- Laminated safety glass window
- Damping screw
- Reference pointer
- Electrical contacts
- Special scales
- Other process connections

## Technical drawings



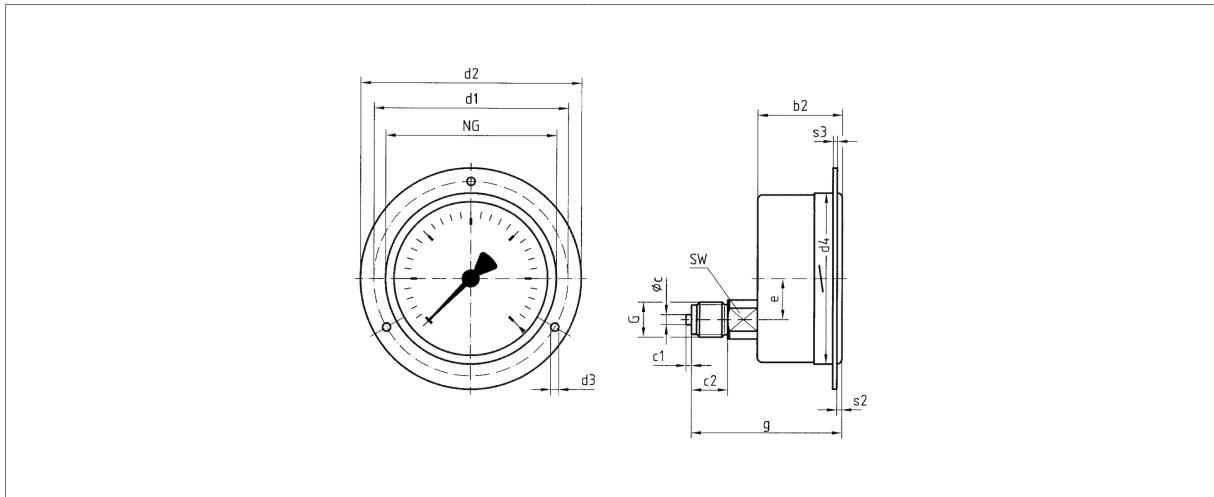
### Dimensions (mm)

NG	a	b	∅c	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
250	16	57	6	3	20	G½B	165	22



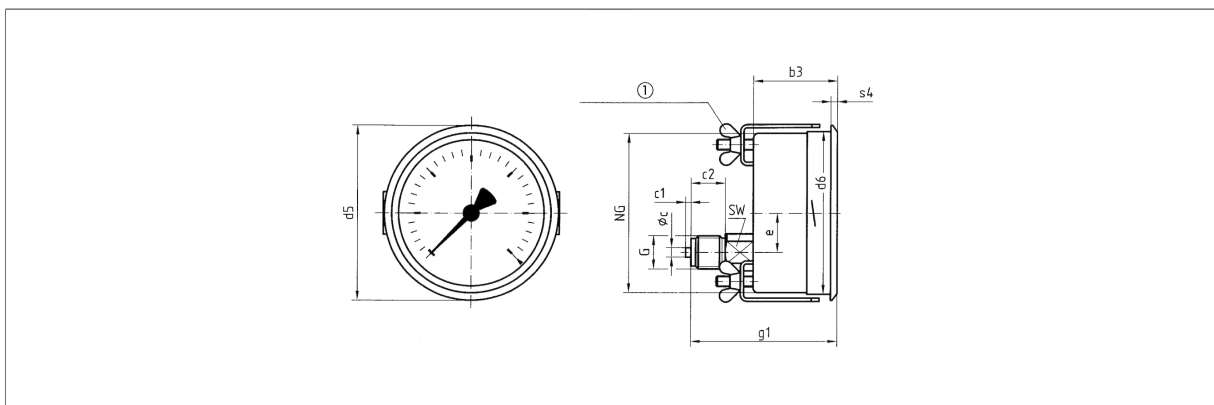
### Dimensions (mm)

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



Dimensions (mm)

NG	b2	∅c	c1	c2	d1*	d2	d3*	d4	e	G	g	s2	s3	SW
100	49	6	3	20	116	132	4,8	104	26,5	G½B	81	4	2	22
160	50	6	3	20	178	196	5,8	164	26,5	G½B	82	4	2	22
250	-	6	3	20	270	285	5,8	-	-	G½B	-	-	-	22



Dimensions (mm)

NG	b3	∅c	c1	c2	d5	d6	e	G	g1	s4	SW
100	49	6	3	20	107	101	26,5	G½B	81	4	22
160	52	6	3	20	167	161	26,5	G½B	84	4,5	22
250	-	6	3	20	-	-	-	G½B	-	-	22