



### Application

Testing of pressure gauges, measurement of pressures with high accuracy, e.g. in laboratories.  
Pressure ranges 0-1 MPa for gaseous media,  
Pressure ranges 0-1.6 MPa and above for liquid media

### Nominal Case Sizes (NCS)

250 mm (10")

### Accuracy

$\pm 0.15$  or  $\pm 0.25\%$  (indication accuracy  $\pm 0.15$  resp.  $\pm 0.25\%$  of full scale value) with inspection certificate, accuracy according to MI 2102-90

### Pressure Ranges

0-0.1 MPa to 0-60 MPa  
-1-0 MPa

### Application Fields

at steady load: full scale value  
at dynamic load: 0.9 x full scale value

### Temperature Resistance

Ambient temperature:  $-25 / +60^{\circ}\text{C}$  ( $-13^{\circ}\text{F} / 140^{\circ}\text{F}$ )  
Medium temperature: max.  $+100^{\circ}\text{C}$  ( $+212^{\circ}\text{F}$ )

### Temperature Caused Error

The additional error caused by temperatures differing from the reference temperature  $+20^{\circ}\text{C}$  ( $+68^{\circ}\text{F}$ ) is not more than 0.4% of the full scale value per each 10 K.

### Standard Version

#### Connection

bottom  
M20 x 1.5 optional G  $\frac{1}{2}$  B

#### Wetted Parts

Model -1: Connection: = brass  
Bourdon tube: = CuBe

#### Movement

Brass / German silver with eccentric adjustment through the dial

#### Dial

Aluminum white, black figures, white background  
stylised scale  
400 marks on  $315^{\circ}$

#### Pointer

Anti-Parallax pointer, aluminum black

#### Case

Bayonet ring, coated steel

#### Window

Instrument glass with adjusting bore (closed by plug)



### Ordering Information (model construction):

Please state in your order:

Basic model:	MO 250
Nominal case size:	250
Accuracy:	0.25% 0.15%
Pressure range:	e.g. 0-1 MPa
Connection thread:	M20x1.5



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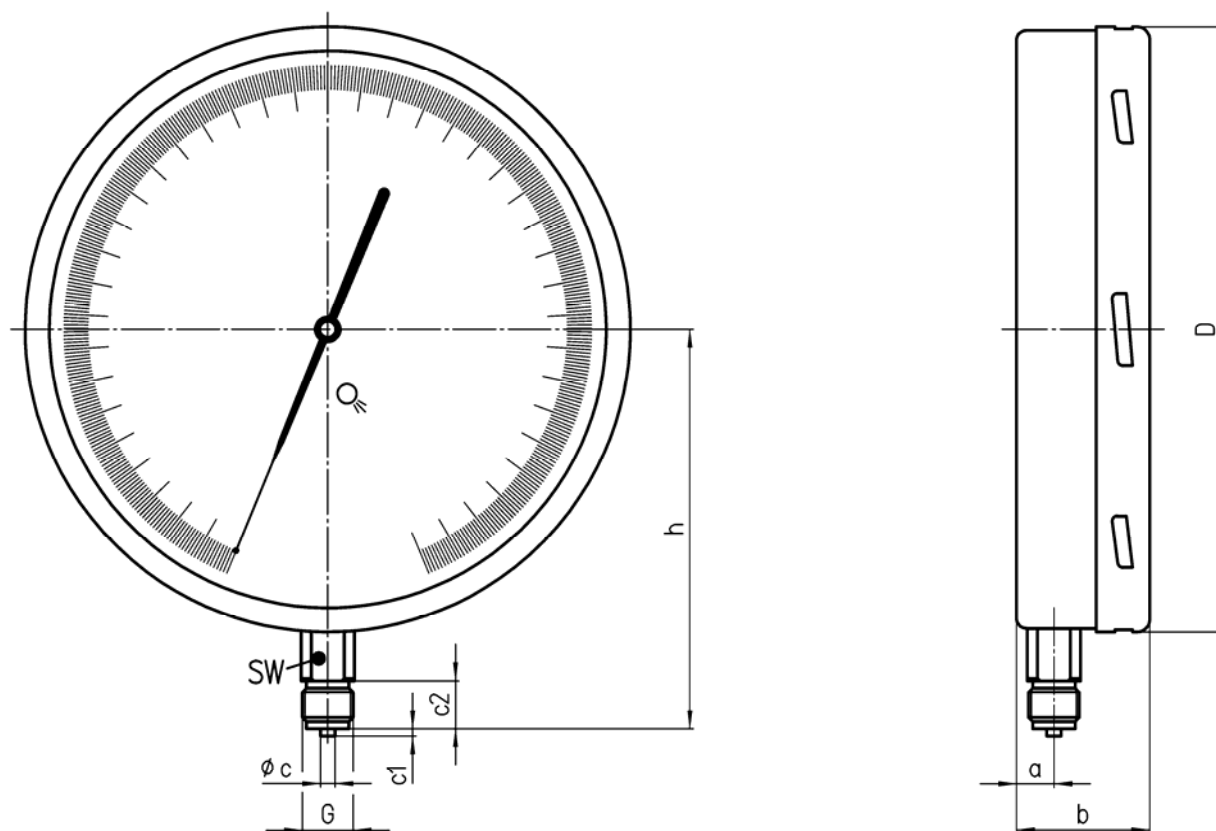
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## Case Configuration



## Dimensional data (mm / inches) and weight (kg / lb)

NCS	D	a	b	c	c1	c2	G	h	SW	Weight
250 (10")	251 9.88	15.5 0.61	55 2.17	6 0.24	3 0.12	20 0.79	M20x1.5	165 6.5	22 0.87	2.1 4.63



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