Capsule Pressure Gauges
Test Gauge Series, Class 0.6
Model 610.20, Standard Series
Model 630.20, Stainless Steel Series

Applications

- Precision measurement in laboratories
- High-accuracy pressure measurement
- For gaseous, dry and non-aggressive media
- Model 630.20 also for aggressive media

Special Features

- Zero adjustment in front
- Special connection location on request
- Low scale ranges from 0 ... 10 mbar

Capsule Pressure Gauge Model 610.20

Description

Design
EN 837-3

Nominal size in mm
160

Accuracy class
0.6

Scale ranges
0 ... 10 mbar to 0 ... 600 mbar
or all other equivalent vacuum or combined pressure and vacuum ranges

Pressure limitation
Steady: full scale value
Fluctuating: 0.9 x full scale value

Operating temperature
Ambient: -20 ... +60 °C
Medium: +60 °C maximum

Temperature effect
When the temperature of the measuring system deviates from the reference temperature (+20 °C):
max. ±0.6 %/10 K of full scale value

Ingress protection
IP 54 per EN 60 529 / IEC 529

Standard version

Process connection
Model 610.20: Cu-alloy
Model 630.20: stainless steel
lower mount (LM) or lower back mount (LBM)
G ½ B (male), 22 mm flats

Pressure element
Double capsule, stainless steel

Movement
Cu-alloy, with ball bearing

Dial
Aluminium, white, black lettering

Pointer
Knife edge pointer, aluminium, black

Zero adjustment
In front

Case
Stainless steel

Window
Clear non-splintering plastic

Bezel ring
Cam ring (bayonet type), stainless steel

Options

- Other process connection
- Movement stainless steel, with ball bearing
- Overpressure or vacuum safety at
  scale ranges > 25 mbar: 10 x full scale value
  scale ranges ≤ 25 mbar: 3 x full scale value

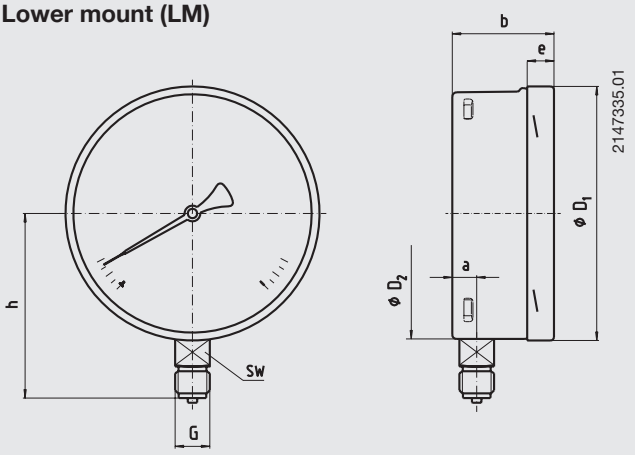
Further options

- Panel or surface mounting flange, stainless steel
- Triangular bezel, stainless steel, with clamp
- Instrument glass or laminated safety glass window
- Bayonet lock bezel with lead seal

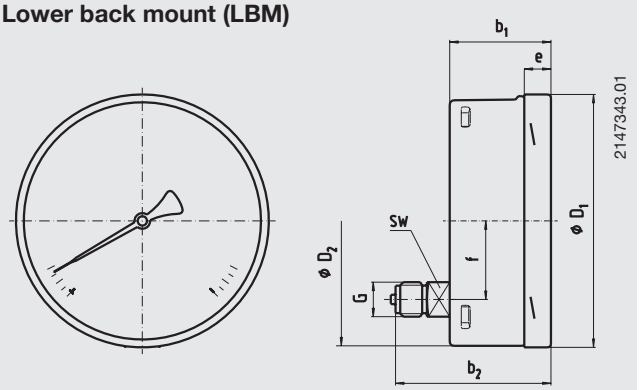
Dimensions in mm

Standard version

Lower mount (LM)



Lower back mount (LBM)



NS	Dimensions in mm											Weight in kg
	a	b	b_1	b_2	D_1	D_2	e	f	G	h ± 1	SW	
160	15.5	65.5	65.5	99	161	159	17.5	50	G ½ B	118	22	1.2

Process connection per EN 837-3 / 7.3

Ordering information

Model / Nominal size / Scale range / Connection size / Connection location / Options

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