Capsule pressure gauge  
Test gauge series, class 0.1 and 0.25  
Model 612.11

Applications

- For gaseous, dry, clean and non-aggressive media
- Precision measurement in laboratories
- Highest-accuracy pressure measurement
- Testing and calibration of industrial type pressure gauges

Special features

- Knife edge pointer and dial with mirror band scale for optimal accuracy of reading
- Precise movement with wear parts of argentan
- Particularly easy-to-read scale due to nominal size 250
- Front access to the zero adjustment
- Scale ranges from 0 … 6 mbar

Description

Design
Following EN 837-3, with measuring cell underneath the case, class 0.1 instruments with transport case and acceptance test certificate (individual listing of the calibration points)

Nominal size in mm
250

Accuracy class
0.1 and 0.25

Scale ranges
Class 0.1: 0 … 25 to 0 … 400 mbar  
Class 0.25: 0 … 6 to 0 … 400 mbar  
or all other equivalent vacuum or combined pressure and vacuum ranges

Adjustment medium
Gas

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

Permissible temperature
Ambient: -20 … +60 °C
Medium: +60 °C maximum

Temperature effect
The indicated class accuracy applies to a room temperature of +20 °C.
Temperature-related zero offsets can be corrected by means of the zero adjustment.

Ingress protection
IP 54 per EN 60529 / IEC 529
Standard version

Process connection
Cu-alloy,
lower mount (LM)
G ½ B (male), 27 mm flats

Measuring elements
Cu-alloy

Movement
Cu-alloy, wear parts argentan

Dial
Aluminium, white, black lettering, scale 330°, with mirror band scale, for zero adjustment rotatable by ±15°

Pointer
Knife edge pointer, aluminium, black

Case
Flange ring type case, aluminium, black-silver

Window
Clear non-splintering plastic, green tinted to prevent the dazzle effect

Bezel ring
Flange ring, aluminium, black-silver

Options

- Other process connection
- Transport case for class 0.25 instruments
- Acceptance test certificate for class 0.25 instruments
- Bourdon tube pressure gauge for pressures from 0 ... 1 bar (model 342.11, see data sheet PM 03.03)

Dimensions in mm

<table>
<thead>
<tr>
<th>NS</th>
<th>Dimensions in mm</th>
<th>Weight in kg</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>a</td>
<td>b</td>
</tr>
<tr>
<td>250</td>
<td>31</td>
<td>78</td>
</tr>
</tbody>
</table>

Process connection per EN 837-3 / 7.3

Ordering information
Model / Nominal size / Accuracy class / Scale range / Connection size / Connection location / Options

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