Test gauge
With transport case and acceptance test certificate
Model 342.11, from class 0.1, NS 250

Applications
- For gaseous and liquid media that are not highly viscous or crystallising
- Precision measurement in laboratories
- High-accuracy pressure measurement
- Testing 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
- Scale ranges up to 0 ... 1,600 bar

Description

Design
EN 837-1, including transport case and acceptance test certificate (individual listing of the calibration points)

Nominal size in mm
250

Accuracy class
0.1: for scale ranges < 0 ... 400 bar
0.25: for scale ranges ≥ 0 ... 400 bar

Scale ranges
0 ... 1 to 0 ... 1,600 bar
or all other equivalent vacuum or combined pressure and vacuum ranges

Adjustment medium
≤ 25 bar: Gas
> 25 bar: Water

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

Permissible temperature
Ambient: -20 ... +60 °C
Medium: +100 °C maximum

Temperature effect
When the temperature of the measuring system deviates from the reference temperature (+20 °C): max. ±0.1 %/10 K of full scale value

Ingress protection
IP54 per IEC/EN 60529
Standard version

Process connection
Stainless steel
Lower mount (radial)
G ½ B (male), SW 22

Pressure element
Ni-Fe alloy
< 100 bar: C-type
≥ 100 bar: Helical type

Movement
Copper alloy, wear parts argentan

Dial
Aluminium, white, black lettering, scale 330°, with mirror band scale, for zero point setting 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
- Adjustment medium water with scale ranges ≥ 4 bar
- Surface mounting flange
- Suitable for panel mounting (by means of clamp)
- After-sales service booklet for 3 recalibrations
- Capsule pressure gauge for low pressures from 0 ... 6 mbar (model 612.11, see data sheet PM 06.04)

Approvals

<table>
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<tr>
<th>Logo</th>
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<tbody>
<tr>
<td>EU declaration of conformity</td>
<td>Pressure equipment directive, PS &gt; 200 bar; module A, pressure accessory</td>
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<td>GOST (option)</td>
<td>Metrology, measurement technology</td>
<td>Russia</td>
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<td>KazInMetr (option)</td>
<td>Metrology, measurement technology</td>
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<td>-</td>
<td>CPA (option)</td>
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<td>-</td>
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Certificates (option)
- 2.2 test report per EN 10204 (e.g. state-of-the-art manufacturing, material proof, indication accuracy)
- 3.1 inspection certificate per EN 10204 (e.g. indication accuracy)
- PCA calibration certificate, traceable and accredited in accordance with ISO/IEC 17025
- Calibration certificate by the national accreditation body, traceable and accredited in accordance with ISO/IEC 17025

Approvals and certificates, see website
Dimensions in mm

Standard version

**Lower mount (radial)**

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<th>Weight in kg</th>
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<tr>
<td></td>
<td>a</td>
<td>b</td>
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<tr>
<td>250</td>
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Process connection per EN 837-1 / 7.3

### Ordering information

**Model / Nominal size / Scale range / Process connection / Adjustment medium / Options**