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>
<thead>
<tr>
<th>Logo</th>
<th>Description</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU</td>
<td>EU declaration of conformity</td>
<td>European Union</td>
</tr>
<tr>
<td>EAC</td>
<td>EAC (option) Pressure equipment directive</td>
<td>Eurasian Economic Community</td>
</tr>
<tr>
<td>GOST</td>
<td>GOST (option) Pressure equipment directive</td>
<td>Russia</td>
</tr>
<tr>
<td>Kaz</td>
<td>KazlnMet (option) Metrology, measurement technology</td>
<td>Kazakhstan</td>
</tr>
<tr>
<td>MTSCHS</td>
<td>MTSCHS (option) Permission for commissioning</td>
<td>Kazakhstan</td>
</tr>
<tr>
<td>BelGIM</td>
<td>BelGIM (option) Metrology, measurement technology</td>
<td>Belarus</td>
</tr>
<tr>
<td>UkrSEPRO</td>
<td>UkrSEPRO Metrology, measurement technology</td>
<td>Ukraine</td>
</tr>
<tr>
<td>Uztstandard</td>
<td>Uztstandard (option) Metrology, measurement technology</td>
<td>Uzbekistan</td>
</tr>
<tr>
<td>CPA</td>
<td>CPA (option) Metrology, measurement technology</td>
<td>China</td>
</tr>
<tr>
<td>CRN</td>
<td>CRN Safety (e.g. electr. safety, overpressure, ...)</td>
<td>Canada</td>
</tr>
</tbody>
</table>

**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)
- DKD/DAkkS certified accuracy

Approvals and certificates, see website
Dimensions in mm

Standard version

Lower mount (radial)

<table>
<thead>
<tr>
<th>NS</th>
<th>Dimensions in mm</th>
<th>Weight in kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>22 78 277 250 16.5 G ½ B 165 22</td>
<td>6.0</td>
</tr>
</tbody>
</table>

Process connection per EN 837-1 / 7.3

Ordering information

Model / Nominal size / Scale range / Process connection / Connection location / Adjustment medium / Options