**MEX2 - MEX3 - MEM3**

**Industrial Pressure Gauges**

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### Main Features
- For corrosive gases and liquids
- Class 1.6 according to EN 837-1
- Wetted parts Stainless steel (MEX) or Monel (MEM)
- Lloyd’s Register approval

- Option: liquid-filled for applications with pulsations or vibrations
- Option: case material 1.4404 (316L) for aggressive atmosphere

### Applications
- Food & Beverage
- Laboratory & Medical
- Oil & Gas / Chemical
- Water & Waste water
- Energy
- Transportation & Logistics
- Machinery

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### Technical Data

**Nominal size**
- MEX2: 50 mm
- MEX3/MEM3: 63 mm

**Measurement range**
- MEX2/MEX3: -1 ... 0 to 0 ... 1000 bar
- MEM3: -1 ... 0.6 to 0 ... 400 bar

**Pressure limitation**
- Steady: 75% of full scale value
- Fluctuating: 65% of full scale value
- Short time: 100% of full scale value

**Accuracy**
- Class 1.6 (according EN837-1)

**Protection rating**
- IP 65 (EN 60529)

**Process Connection**
- MEX: Stainless steel 1.4404 (AISI 316L)
  - MEM: Monel 400

**Bourdon tube**
- MEX: Stainless steel 1.4404 (AISI 316L)
  - MEM: Monel 400

**Case**
- Stainless steel 1.4301 (AISI 304)
  - Option: stainless steel 1.4404 (AISI 316L)

**Bezel ring**
- Stainless steel 1.4301 (AISI 304)
  - Option: stainless steel 1.4404 (AISI 316L)

**Movement**
- Stainless steel

**Window**
- Instrument glass

**Window gasket**
- Elastomer

**Dial**
- Aluminium, white

**Pointer**
- Plastic, black

**Temperature**
- Ambient: -20 ... +70 °C
  - Medium: -40 ... +200 °C (not filled)
  - The case temperature must not exceed +70 °C

**Storage**
- -40 ... +70 °C

**Thermal drift**
- ± 0.4% F.S. / 10 K (reference: 20 °C)

**Safety**
- S1 according EN837-1
  - (with window polycarbonate or laminated safety glass)

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### Options

- ATEX II2GDc-IM2c
  - (Including window laminated safety glass)
  - Code 0078

- Adjustable friction pointer (1)
  - Code 0679

- Window laminated safety glass
  - Code 0751

- Window polycarbonate
  - Code 0753

- Restrictor screw Ø 0.3
  - Code 0769

- Accuracy class 1 (1.6 bar < P < 1000 bar)
  - Code 0841

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(1) only NS 63 mm

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2015-11-02  Design and specifications subject to change without notice
MEX2 - MEX3 - MEM3
Industrial Pressure Gauges

Dimensions - Types of mounting

Panel cut-outs for types B and G
NS 50 = Ø 53.5 mm / NS 63 = Ø 65.5 mm
*Type of mounting according to EN837-1 in brackets

Pressure ranges

<table>
<thead>
<tr>
<th>Code</th>
<th>Bar</th>
<th>Code</th>
<th>kPa</th>
<th>Code</th>
<th>kg/cm²</th>
<th>Code</th>
<th>psi</th>
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<tbody>
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<td>-1</td>
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<td>0</td>
<td>F41</td>
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<td>H41</td>
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Weight (kg)

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<thead>
<tr>
<th></th>
<th>Unfilled</th>
<th>Filled</th>
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<tbody>
<tr>
<td>NS 50</td>
<td>0.100</td>
<td>0.150</td>
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<tr>
<td>NS 63</td>
<td>0.130</td>
<td>0.180</td>
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### Ordering details - MEX2 - MEX3 - MEM3

<table>
<thead>
<tr>
<th>Model</th>
<th>MEX</th>
<th>MEM</th>
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<tbody>
<tr>
<td>All stainless steel pressure gauge</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pressure gauge with monel Bourdon tube</td>
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<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Nominal size</th>
<th>50 mm (2)</th>
<th>63 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

### Type of mounting

- **Stainless steel case and bezel ring 1.4301 (AISI 304)**
  - Bottom connection, back flange for wall mounting, 3 mounting holes
  - Back connection, front flange, 3 mounting holes
  - Back connection
  - Back connection with clamp

- **Stainless steel case and bezel ring 1.4404 (AISI 316L)**
  - Bottom connection, back flange for wall mounting, 3 mounting holes
  - Back connection, front flange, 3 mounting holes
  - Back connection
  - Back connection with clamp

### Process connection

- G 1/4
- 1/4 NPT

### Liquid filling

- Dry
- BH1: low viscosity glycerin/water 86% (medium: -20 ... +70 °C)
- BH2: high viscosity glycerin 99.5% (medium: 0 ... +90 °C)
- BH3: silicone oil (medium: -40 ... +100 °C)

### Unit of measurement / Pressure ranges (3)

<table>
<thead>
<tr>
<th>bar</th>
<th>Bxx</th>
</tr>
</thead>
<tbody>
<tr>
<td>psi</td>
<td>Hxx</td>
</tr>
<tr>
<td>kPa</td>
<td>Dxx</td>
</tr>
<tr>
<td>kg/cm²</td>
<td>Fxx</td>
</tr>
<tr>
<td>bar / psi (double scale)</td>
<td>Kxx</td>
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<tr>
<td>psi / kPa (double scale)</td>
<td>Vxx</td>
</tr>
<tr>
<td>kPa / psi (double scale)</td>
<td>Wxx</td>
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</tbody>
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### Options to be added behind the / (see example below)

(1) Monel version nominal size 63 mm only and not available for pressure ranges x39, x40, x41 and x59
(2) NS50 not available as monel version MEM
(3) Available standard pressures ranges, see tables on page 2. For ranges not listed, please contact Baumer.

### Ordering example with options

- All stainless steel pressure gauge
- Nominal size 63 mm
- Back connection, front flange, 3 mounting holes, case material 1.4301
- Process connection G 1/4
- No liquid filling
- Scale bar: 0 ... 10 bar
- Option: ATEX Version with laminated safety glass included
- Option: Restrictor screw Ø 0.3
- Option: Adjustable friction pointer