Bourdon Tube Pressure Gauge
Type 111.16 With Integrated Panel Mount Flange

Applications
- Pneumatics
- HVAC
- Suitable for all media that will not obstruct the pressure system or attack copper alloy parts

Product features
- Reliable and economical
- Ranges up to 6,000 psi (400 bar)
- Fits standard US size panel cutouts

Specifications

- **Design**
  EN 837-1 & ASME B40.100

- **Sizes**
  1½” & 2” (40 & 50 mm)

- **Accuracy class**
  ± 3/2/3% of span (ASME B40.100 Grade B)

- **Ranges**
  Vacuum / Compound to 200 psi (16 bar)
  Pressure from 15 psi (1 bar) to 6,000 psi (400 bar)
  or other equivalent units of pressure or vacuum

- **Working pressure**
  Steady: 3/4 of full scale value
  Fluctuating: 2/3 of full scale value
  Short time: full scale value

- **Operating temperature**
  Ambient: -40°F to 140°F (-40°C to 60°C)
  Media: 140°F (+60°C) maximum

- **Temperature error**
  Additional error when temperature changes from reference temperature of 68°F (20°C) ±0.4% of span for every 18°F (10°K) rising or falling.

- **Connection**
  Material: Copper alloy
  1/8” or 1/4” NPT center back mount (CBM)

Bourdon Tube Pressure Gauge Type 111.16PM

- **Material**
  Copper alloy
  < 870 psi (60 bar): C-shape
  > 870 psi (60 bar): Helical

- **Movement**
  Copper alloy
  Dial
  White ABS with stop pin and black lettering

- **Pointer**
  Black ABS

- **Case**
  1½” (40 mm): Black ABS with SS crimped profile ring
  2” (50 mm): Black ABS with ABS stand-off ring and SS crimped profile ring

- **Window**
  Snap-in acrylic

- **U-clamp bracket**
  Zinc-plated steel with two zinc-plated slotted screws
Optional Extras

- ± 2/1/2% accuracy (ASME B40.100 Grade A)
- Front flange
- Crimped stainless steel profile ring
- Cleaned for oxygen service
- Special threaded connection
- Custom dial layout
- Other pressure scales available: Bar, kPa, MPa, kg/cm² and dual scales

**Dimensions**

<table>
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<tr>
<th>SIZE</th>
<th>A</th>
<th>C</th>
<th>D</th>
<th>G</th>
<th>N</th>
<th>S</th>
<th>T</th>
<th>W</th>
<th>Weight</th>
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<tbody>
<tr>
<td>1.5”</td>
<td>mm</td>
<td>40</td>
<td>26.5</td>
<td>40</td>
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<td>4.5</td>
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<td>in</td>
<td>1.5</td>
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<td>1.77</td>
<td>1.77</td>
<td>0.18</td>
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<tr>
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<td>mm</td>
<td>50</td>
<td>26.5</td>
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<td>54</td>
<td>4.5</td>
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<tr>
<td></td>
<td>in</td>
<td>2.0</td>
<td>1.04</td>
<td>1.95</td>
<td>1.85</td>
<td>2.13</td>
<td>0.18</td>
<td>1/4”</td>
<td>0.55</td>
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