Bourdon Tube Pressure Gauge
Type 111.16PM Panel Mount Gauge
For US Size Panel Cutouts
Standard Series

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
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

Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.

### Dimensions

<table>
<thead>
<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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<td>4.5</td>
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<td>54</td>
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<tr>
<td></td>
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<td>2.0</td>
<td>1.04</td>
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<td>1.85</td>
<td>2.13</td>
<td>0.18</td>
<td>1/4”</td>
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