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

Special features

- Reliable and economical
- Ranges up to 6,000 psi
- Fits metric size panel holes

Standard Features

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
Pressure from 15 psi to 6,000 psi
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% for every 18°F (10°C) rising or falling. Percentage of span.

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

Bourdon Tube
Material: Copper alloy
15 psi to 600 psi: C-type
800 psi to 6,000 psi: helical

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

Pointer
Black ABS

Case
Black ABS with integral profile ring

Window
Snap-in acrylic

U-clamp bracket (optional)
Zinc-plated steel with two zinc-plated slotted screws
Optional Extras

- Round u-clamp bracket
- ± 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

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<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>
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