Bourdon Tube Pressure Gauges
Stainless Steel Series
Type 131.11

Applications
- Suitable for corrosive environments and gaseous or liquid media that will not obstruct the pressure system
- Ideal when a smaller size instrument is needed
- CDA (Clean Dry Air) applications

Product features
- All stainless steel construction
- 316L wetted parts
- Cost effective and reliable
- Positive pressure ranges to 15,000 psi (1000 bar)

Specifications

Design
ASME B40.100 & EN 837-1

Sizes
1.5", 2" & 2½" (40, 50 and 63 mm)

Accuracy class
3/2/3% of span per ASME B40.100 Grade B

Ranges
Vacuum / Compound to 200 psi
Pressure from 15 psi to 10,000 psi or equivalent units of pressure and 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)
Medium: +212°F (+100°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°C) rising or falling.

Pressure connection
Material: 316L stainless steel
Lower mount (LM) or center back mount (CBM)
1/8" or 1/4" NPT (male)

Bourdon tube
Material: 316L stainless steel
≤ 1000 psi (70 bar): C-shape
> 1000 psi (70 bar): Helical type

Movement
Stainless steel

Dial
White aluminum with black lettering, with stop pin

Pointer
Black aluminum

Case
Stainless steel

Window
Snap-in polycarbonate
Optional extras

- Friction fit cover ring with instrument glass window
- Special threaded connection
- Front Flange
- U-clamp for panel mounting
- Rear flange (for 2½" size only)

**Front Flange**

**U-Clamp**

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<th>B</th>
<th>C</th>
<th>D</th>
<th>G</th>
<th>M</th>
<th>N</th>
<th>S</th>
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**Nominal**
Rear Flange

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