Bourdon Tube Pressure Gauge
Type 111.12, Black Plastic or Painted Steel Case
Standard Series - Center Back Mount

Applications
- Hydraulic and pneumatic systems
- Pumps, compressors, water systems, regulators
- Suitable for fluid medium which does not clog connection port or corrode copper alloy

Special features
- Copper alloy wetted parts
- Black plastic or painted steel case
- Center back mount (CBM) process connection

Standard Features

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

**Sizes** (All sizes not stocked)
1½", 2", 2½" and 4" (40, 50, 63, and 100 mm)
3½" (94 mm) with u-clamp only

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

**Ranges** (All ranges not stocked)
Vacuum/Compound to 30"Hg / 0/ 200 psi
Pressure from 15 psi to 6,000 psi
or other equivalent units of pressure or vacuum
Receiver scales 3...15 psi

**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.

**Pressure connection**
Material: copper alloy
Center back mount (CBM)
1/8" or 1/4" NPT

**Bourdon Tube**
Material: copper alloy
30"Hg (Vac) to 600 psi C-type
800 psi to 6000 psi helical type

**Movement**
Copper alloy

**Dial**
White plastic with stop pin (1½", 2", 2½")
White aluminum with stop pin (3½" & 4")
Black or black and red lettering

**Pointer**
Black ABS plastic (1½", 2", 2½")
Black aluminum (3½" & 4")

**Case**
Black plastic (1½", 2", 2½", & 4")
Black-painted steel (3½")

**Window**
Crystal-clear plastic, snap-fit (1½", 2", 2½", & 4")
Crystal-clear plastic, threaded (3½")
### Optional Extras

- Accuracy ± 2/1/2% of span (ASME B40.100 Grade A)
- U-clamp panel mounting
- Front flange
- Slip-fit or friction ring
- Case with weep hole
- Glass window
- Black painted steel case
- Stainless steel case
- Special case colors
- Special connections (limited to wrench flat area)
- Cleaned for oxygen service
- Nickel plated connection
- Medical specification
- Rubber cover (2”, 2½”)
- Custom dial layout
- Other pressure scales available: bar, kPa, MPa, kg/cm² and dual scales
- DIN standards
- Red set pointer on aluminum dial or on snap-on window
- External adjust red drag pointer (black steel - 2½” case only)

### Dimensions

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B¹</th>
<th>C</th>
<th>C1</th>
<th>C2</th>
<th>D</th>
<th>D1</th>
<th>D2</th>
<th>G</th>
<th>G2</th>
<th>M</th>
<th>N</th>
<th>P</th>
<th>R</th>
<th>T</th>
<th>W</th>
<th>Weight²</th>
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<td>-</td>
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<td>47</td>
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<tr>
<td>2” mm</td>
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<td>54</td>
<td>26.5</td>
<td>28.5</td>
<td>24</td>
<td>49</td>
<td>55</td>
<td>49</td>
<td>47</td>
<td>47</td>
<td>71</td>
<td>60</td>
<td>70</td>
<td>57</td>
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<tr>
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<td>61.5</td>
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</table>

¹B dimension: outside dimension of profile ring.
²Weight is for base gauge without optional accessories.

Page 2 of 2

**Ordering information**
Pressure gauge model / Nominal size / Scale range / Size of connection / Optional extras required
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.

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