Bourdon Tube Pressure Gauge
Type 111.10R Refrigeration Gauge
Standard Series

Applications
- Refrigeration test manifolds
- Compressed air systems
- Suitable for fluid medium which does not clog connection port or corrode copper alloy

Product features
- Durable red or blue steel case
- Metric size gauge
- Silicone dampened movement

Specifications

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

**Sizes**
2.5", 3" & 4" (63 mm, 80 mm & 100 mm)

**Accuracy class**
± 1/2/5% of span
1% at zero pressure
2% in the first 75% of the scale
5% in the last 25% of the scale

**Ranges**
0/120 psi (8 bar), retard to 350 psi
0/500 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 150°F (-40°C to 65°C)
Media: 150°F (+65°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.

**Pressure connection**
Material: copper-alloy
Lower mount (LM)
1/8" or 1/4" NPT

**Bourdon tube**
Material: copper alloy
C-shape

**Movement**
Copper alloy, silicone dampened

**Dial**
White aluminum with stop pin and black lettering.
Zero-adjustment screw on dial

**Pointer**
Black aluminum

**Case**
Red or blue painted steel

**Window**
Snap-in, clear plastic
Optional Extras

- Brass restrictor
- Black-painted steel case
- Refrigeration scales
- Special threaded connection
- Other pressure scales available:
  - bar, kPa, MPa, kg/cm² and dual scales

Dimensions

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>L</th>
<th>T</th>
<th>W</th>
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<td>53.5</td>
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<tr>
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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.