Capsule Pressure Gauges
Plastic Case / Low Cost Design
Type 611.13

Applications

- For gaseous, dry and non aggressive media.
- Medical, vacuum, environmental, HVAC and filter monitoring.

Special features

- Compact design
- Plastic case
- Low ranges from 0/25” H2O (60 mbar)
- Maximum range 0/400” H2O (1000 mbar)

Description

Nominal Sizes
2” & 2.5” (50 & 63 mm)

Accuracy class
± 2.5% of span

Scale Ranges
0/25 to 0/400 “H2O (0/60 to 0/1000 mbar)
or other equivalent units of pressure or vacuum

Working Pressure
Steady: Full scale value
Fluctuating: 90% of full scale value

Operating Temperature
Ambient: -4°F to +140°F (-20°C to +60°C)
Medium: +140°F (+60°C)

Temperature effect
When temperature of the pressure element deviates from reference temperature (+70°F / +20°C): max. ±0.6%/18°F

Weather protection
IP 53 per EN 60 529 / IEC 529
**Standard features**

**Pressure connection**  
Material: copper alloy  
Lower mount (LM) or center back mount (CBM)  
1/4" NPT (male), 14 mm wrench flats

**Pressure element**  
Material: Beryllium copper (CuBe2)

**O-ring**  
NBR (Perbunan)

**Movement**  
Copper alloy

**Dial**  
White aluminum with black numberals

**Pointer**  
Black aluminum

**Case**  
Plastic, black

**Window**  
Acrylic, snapped-in

**Optional extras**
- Other pressure connection
- Under & overpressure safety
- Accuracy ±1.6% of span
- Zero adjustment screw on dial
- Black painted steel case (Type 611.23)
- Restrictor

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### Dimensions

#### Lower mount (LM) connection

![Lower mount (LM) connection diagram]

#### Center back mount (CBM) connection

![Center back mount (CBM) connection diagram]

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### Table: Size and Dimensions

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<th>a</th>
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<th>b2</th>
<th>b3</th>
<th>b4</th>
<th>D</th>
<th>f</th>
<th>h</th>
<th>T</th>
<th>W</th>
<th>Weight</th>
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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.