Bourdon Tube Pressure Gauges with Factory-Set Switch Contacts 
Stainless Steel Case 
Type PGS21

Applications
- For indicating and monitoring the pressure in tanks and for signalling of potential leaks
- For use in gas extinguishing systems
- General industrial applications

Special features
- High switching reliability and long service life
- Switch contacts factory-set according to customer specification
- NEMA 6 / IP 65 weather protection

Standard Features

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

**Sizes**
1½” or 2” (40 or 50 mm)

**Accuracy class**
± 2/1/2% of span (ASME B40.100 Grade B)

**Switch point tolerance**
± 2.5% of span

**Ranges**
1½”:
- 0/60 to 0/6000 PSI
- 0/15 to 0/6000 PSI

2”:
- 0/15 to 0/6000 PSI

or other equivalent units of pressure or vacuum

**Working range**
Steady: 3/4 x full scale value
Fluctuating: 2/3 x full scale value
Short time: full scale value

**Operating temperature**
Ambient: -4°F to +140°F (-20°C to +60°C)
Medium: +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
1½”:
- Center back mount (CBM)
2”:
- Lower mount (LM) or center back mount (CBM)
- 14 mm wrench flats

**Bourdon tube**
Material: Copper alloy
≤ 1000 PSI: C-type
> 1000 PSI: helical-type

**Movement**
Copper alloy

**Dial**
White aluminum with black lettering

**Pointer**
Black plastic
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.

Case
Stainless steel

Window
Polycarbonate

Weather protection
NEMA 6 / IP 65

Helium leak test
Leak rate $10^{-6}$ mbar*l/s

Electronics

Electrical Data
Switching voltage: 4.5 to 24 VDC/VAC
Switching current: 5 to 100 mA
Contact load: max. 2.4 W
Switching contact: breaks (NC-normally closed), or makes (NO-normally open)
Potential-free relay

Electrical connection
1½": Flying leads
2": Flying leads or plug

Approval
European approval for VdS and CE per EN 12 094-10

Optional extras
- Other threaded process connections
- Other electrical connections
- Double contact
- Adjustable contact
- Nominal size 2½" (63 mm)
- Custom dial layout
- Other pressure scales available
  - bar, kPa, MPa, kg/cm² and dual scales

Dimensions

<table>
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<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>E</th>
<th>H</th>
<th>T</th>
<th>W</th>
<th>Weight</th>
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<td>1.97</td>
<td>1/4&quot; 0.55</td>
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