STANDARD SPECIFICATION

Sizes
100 and 150mm

Case/ Bezel
Black case, Chrome bezel as standard (IP54) or AISI 316 Stainless Steel, Stainless Steel Bezel (Bayonet type)
Weatherproof Construction (IP 66)

Socket & Element
Brass, Phosphor bronze (Standard)
Options available

Movement
Nickel Plated Brass

Blowout Protection
Blow-out device (EN 837-1 S1)

Dial
White Anodised Aluminium (Black Printing)

Pointer
Black Aluminium

Window
Laminated Safety Glass

Traceability
All instruments are individually calibrated and have an unique Serial Number. Calibration Certificates are issued for each gauge

Certification available on request
• Certificate of Conformity Traceable to National Standards
• Group Certification (Pressure Test Calibration Statement)

Safety
All units are manufactured to comply with EN 837-1, S1 Blowout device specification and other regulatory standards including PED 2014/68/EU.

Installation instructions:
Refer to EN 837-2 and our Guidance On Use of Equipment data sheet.

Accuracy class
2% Accuracy

Scale Range
Working Ranges & Max Static Pressure
See individual data sheets and table below

Pressure Connection Thread
1/8", ¼", 3/8", 1/2" NPT, BSP, BSPT

APPLICATIONS
Differential pressures are commonly used in industrial process systems. Differential pressure gauges have two inlet ports, each connected to one of the volumes whose pressure is to be monitored. In effect, such a gauge performs the mathematical operation of subtraction through mechanical means, obviating the need for an operator or control system to watch two separate gauges and determine the difference in readings.

Due to the wide range available, these instruments are strictly made to order only. The ratio between maximum line pressure and dial range must be no more than 4:1. A selection of ranges in Bar are shown below. Other scales and ranges are available. Details on request.

<table>
<thead>
<tr>
<th>Dial Range</th>
<th>Max Line Pressure</th>
<th>100mm Direct Mount</th>
<th>100mm Surface Mount</th>
<th>150mm Direct Mount</th>
<th>150mm Surface Mount</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 / 1 bar</td>
<td>4 Bar</td>
<td>OB11-4D1</td>
<td>OB11-4S1</td>
<td>OB11-6D1</td>
<td>OB11-6S1</td>
</tr>
<tr>
<td>0 / 1.5 bar</td>
<td>6 Bar</td>
<td>OB11-4D2</td>
<td>OB11-4S2</td>
<td>OB11-6D2</td>
<td>OB11-6S2</td>
</tr>
<tr>
<td>0 / 2 bar</td>
<td>8 Bar</td>
<td>OB11-4D3</td>
<td>OB11-4S3</td>
<td>OB11-6D3</td>
<td>OB11-6S3</td>
</tr>
<tr>
<td>0 / 2.5 bar</td>
<td>10 Bar</td>
<td>OB11-4D4</td>
<td>OB11-4S4</td>
<td>OB11-6D4</td>
<td>OB11-6S4</td>
</tr>
<tr>
<td>0 / 3 bar</td>
<td>12 bar</td>
<td>OB11-4D5</td>
<td>OB11-4S5</td>
<td>OB11-6D5</td>
<td>OB11-6S5</td>
</tr>
</tbody>
</table>

Specifications and dimensions in this leaflet, are subject to change without prior notice.
MODEL OB11
SURFACE MOUNTED

MODEL OB11
DIRECT MOUNTED (STANDARD)

General Arrangement Dimensions in mm, tol ± 1mm

<table>
<thead>
<tr>
<th>Dim</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; (100mm)</td>
<td>50</td>
<td>20</td>
<td>44</td>
<td>89</td>
<td>16.5</td>
<td>134</td>
<td>78</td>
<td>103</td>
<td>6</td>
<td>118</td>
<td>50</td>
</tr>
<tr>
<td>6&quot; (150mm)</td>
<td>50</td>
<td>14</td>
<td>48</td>
<td>116</td>
<td>16.5</td>
<td>162</td>
<td>105</td>
<td>153.0</td>
<td>5</td>
<td>168</td>
<td>50</td>
</tr>
</tbody>
</table>

SCALE RANGE
Delta P range: Min 1 bar
Max 3 bar

Static pressure Max 12 bar

MEASURING ELEMENT
Phosphor bronze Bourdon Tubes
MODELS-OB11, OB11/SS

Model-OB11/SS Stainless Steel

SCALE RANGE
Delta P range: Min 1 bar
Max 3 bar
Static pressure Max 12 bar

MEASURING ELEMENT
316 Stainless Steel Bourdon Tubes