Differential Pressure Gauges with Bourdon Tube, Parallel Entry
Model 712.25DP, Measuring System Cu-alloy

Applications
- Measurement of differential pressures or of two different pressures applied
- Heating, ventilation and air-conditioning
- For gaseous and liquid media that are not highly viscous or crystallising

Special Features
- Scale ranges from 0 ... 15 psi
- Aluminum case with integrated surface mounting flange.
- Differential pressure indication via subtracting movement.

Description

Design
2 independent measuring systems
(parallel next to each other)

Nominal size
4½ & 6

Accuracy
+/− 2/1/2% of full span per ASME B40.100 Grade A

Differential pressure ranges
0 ... 15psi to 0 ... 1000 psi

Pressure limitation
Steady: full scale value
Fluctuating: 0.9 x full scale value
Short time: 1.3 x full scale value

Operating temperature
Ambient: (-20 ... +60 °C) -4°F... 140°F
Media: 140°F

Temperature effect
Additional error when temperature deviates from reference temperature of 68°F (20°C): +/- 0.4% of span for every 18°F (10°C) rising or falling.

Weather protection
Dust resistant NEMA2 (IP 33 per EN 60 529 / IEC 529)
Standard features

Process connection
Copper alloy
2 x ¼" NPT male
plus-connection right, minus-connection left
(with + and - identified on dial)

Bourdon tube elements
C-type, copper alloy

Movement
Copper alloy

Dial
Aluminium, white, lettering black

Pointer
Aluminum black, adjustable

Operating principle
High pressure needs to be applied to the right connector (marked H high pressure on dial), low pressure to the left side (marked L low pressure on dial). A subtracting movement will indicate the difference of the two applied pressure via one pointer.

Case
Black cast aluminum with built-in surface mounting flange

Window
Instrument glass

Bezel ring
Threaded, aluminum black

Options

- Duplex Pressure Gauge (Model 712.25Dx)
- Brass restrictor
- Custom dial layout
- Other pressure scales available (bar, kPa, kg/cm² & dual scales)

Dimensions

<table>
<thead>
<tr>
<th>TYPE</th>
<th>WEIGHT</th>
<th>KEY</th>
<th>A</th>
<th>D</th>
<th>E</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>M</th>
<th>N</th>
<th>S</th>
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<td>712.25DX 4.5&quot;</td>
<td>3 lbs.</td>
<td></td>
<td></td>
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<td></td>
<td>4.93</td>
<td>4.19</td>
<td>0.86</td>
<td>1.50</td>
<td>3.78</td>
<td>0.22</td>
<td>5.81</td>
<td>5.38</td>
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<td></td>
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<td>mm</td>
<td>125.2</td>
<td>106.4</td>
<td>22</td>
<td>38</td>
<td>96</td>
<td>6</td>
<td>147.6</td>
<td>137</td>
<td>135.6</td>
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<tr>
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<td>6.41</td>
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<td>24</td>
<td>42</td>
<td>110</td>
<td>7</td>
<td>195</td>
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Process connection per EN 837-1 / 7.3

Options may take place and materials specified may be replaced by others without prior notice.
Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.