Duplex Pressure Gauges with Bourdon Tube, Parallel Entry Model 712.25DX, 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

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

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.

Ingress 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
Top pointer aluminum black,
bottom pointer aluminum red

Operating principle
The left connector (marked + on the dial) operates the black
pointer on top. The right connector (marked minus - on the
dial) operates the bottom red pointer.

Case
Black cast aluminum with integrated surface
mounting flange

Window
Instrument glass

Bezel ring
Threaded, aluminum black

Options

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

Dimensions

<table>
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<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>
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Process connection per EN 837-1 / 7.3

Modifications 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.