Pressure Gauges

**Service intended**
Measurement of pressure differential of 2 pressures applied. Suitable for all gaseous and liquid media that will not obstruct the pressure system or attack copper alloy parts.

**Design**
2 independent bourdon tube pressure elements,
Pressure entries in-line

**Nominal size**
100 mm

**Accuracy class** per EN 837-1 /6
2.5

**Scale ranges** per EN 837-1 /5
0 ... 4 to 0 ... 25 bar
or other equivalent units of pressure or vacuum.
Scale ranges must be selected in consideration of the highest static pressure applied. The pressure differential to be indicated should be no less than \( \frac{1}{4} \) of the full scale range.
When ordering please state both the static pressure applied and the differential to be indicated.

**Working pressure**
Steady: full scale value
Fluctuating: 0.9 x full scale value

**Operating temperature**
Ambient: -20 ... +60 °C
Medium: +60 °C maximum

**Temperature error**
Additional error when temperature of the pressure element deviates from +20 °C
Rising temperature: +0.4%/10 K of true scale value
Falling temperature: -0.4%/10 K of true scale value

**Degree of protection**
IP 54 per EN 60 529 / IEC 529

**Standard features**

**Pressure connection**
Radial in-line entry only
Material: Cu-alloy
Threaded entry per EN 837-1 /7.3, 22 mm flats
2 x G 1/2 B (male) identified ☒ and ☐

**Pressure element**
Cu-alloy, C-type soft soldered

**Movement**
Material: Cu-alloy, wear parts argentan

**Dial**
White aluminium with black lettering
2nd innerscale, black, unit: mWS

**Pointer**
Material: Aluminium
☒ side black, ☐ side red

**Case**
Black finish steel case

**Window**
Instrument glass

**Bezel ring**
Cam ring (bayonet type), stainless steel

**Optional extras**
- Case stainless steel
- Panel or surface mounting rings
Dimensions
Standard version

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.

<table>
<thead>
<tr>
<th>Nominal size</th>
<th>Dimensions [mm]</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>b</td>
<td>D₁</td>
</tr>
<tr>
<td>100</td>
<td>15.5</td>
<td>49.5</td>
</tr>
</tbody>
</table>

Standard pressure entry with parallel thread and seating to EN 837-1/7.3

Ordering information

Model / Nominal size / Scale range / Size of connection / Maximum static pressure rating ... bar / Maximum pressure differential / Optional extras required

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