Pressure Gauges

Application
All stainless steel differential pressure gauge. Suitable for corrosive environments and gaseous and liquid media that will not obstruct the pressure system.

Sizes
4" and 6" (100 and 160 mm)

Accuracy
± 1.5% of span

Ranges
7 "H2O to 400 PSI (16 mbar to 25 bar)
Scale range 7" H2O: full scale length approx. 180° or equivalent other units of pressure or vacuum

Working Range
Steady: full scale value
Fluctuating: 0.9 x full scale value

Static Pressure Rating
See table on opposite page

Overpressure Safety
See table on opposite page

Operating Temperature
Ambient: -4°F (-20°C) to 140°F (60°C)
Media: max. + 212°F (+100°C)

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.

Weather Protection
Weather resistant (NEMA 3 / IP 54)

Standard Features

Pressure Connection (exposed to pressure medium)
Pressure chamber
Material: 316 stainless steel
2 x 1/4" NPT or G 1/4 female

Pressure element (exposed to pressure medium)
≤ 100 "H2O: 316 stainless steel
> 100 "H2O: Duratherm (NiCrCo-alloy)

Sealing bellows (exposed to pressure medium)
316 stainless steel

Venting Plugs (exposed to pressure medium)
316 stainless steel
Scale ranges ≤ 100 "H2O (Option: ranges ≥ 160 "H2O)

Movement
Stainless steel

Dial
White aluminum with black lettering

Pointer
Black aluminum pointer, adjustable

Case
Stainless steel with stainless steel bayonet ring. Blow-out plug in back of case

Window
Laminated safety glass

Gauge Mounting
Pressure inputs identified + and -
+ high pressure
- low pressure
Requires mounting to sturdy piping or with front or rear flange. Gauge body has integral threaded mounting holes. Additional pipe or surface mounting bracket is available as an option.
Dimensions:
Standard version
4", lower mount, 2 x 1/4" NPT female connection

Optional version
4", right-side mount, 2 x 1/4" NPT female connection

<table>
<thead>
<tr>
<th>TYPE</th>
<th>WEIGHT</th>
<th>RANGE</th>
<th>KEY</th>
<th>a</th>
<th>b</th>
<th>D1</th>
<th>D2</th>
<th>d</th>
<th>e</th>
<th>G</th>
<th>h</th>
<th>H</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
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</thead>
<tbody>
<tr>
<td>732.51</td>
<td>5.9 lb</td>
<td>&lt;= 4 PSI</td>
<td>mm</td>
<td>15.5</td>
<td>49.5</td>
<td>101</td>
<td>99</td>
<td>140</td>
<td>17.5</td>
<td>1/4&quot; NPT</td>
<td>6.73</td>
<td>3.5</td>
<td>1.46</td>
<td>4.1</td>
<td>2.7</td>
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<tr>
<td></td>
<td>3.1 lb</td>
<td>&gt; 4 PSI</td>
<td>mm</td>
<td>15.5</td>
<td>49.5</td>
<td>101</td>
<td>99</td>
<td>78</td>
<td>17.5</td>
<td>1/4&quot; NPT</td>
<td>6.73</td>
<td>3.4</td>
<td>1.46</td>
<td>4.1</td>
<td>1.26</td>
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<tr>
<td>732.51</td>
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<td>&lt;= 4 PSI</td>
<td>mm</td>
<td>15.5</td>
<td>49.5</td>
<td>161</td>
<td>159</td>
<td>140</td>
<td>17.5</td>
<td>1/4&quot; NPT</td>
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<td>120</td>
<td>37</td>
<td>134</td>
<td>69</td>
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<tr>
<td></td>
<td>4.6 lb</td>
<td>&gt; 4 PSI</td>
<td>mm</td>
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<td>49.5</td>
<td>161</td>
<td>159</td>
<td>78</td>
<td>17.5</td>
<td>1/4&quot; NPT</td>
<td>201</td>
<td>117</td>
<td>37</td>
<td>134</td>
<td>32</td>
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</tbody>
</table>

Static Pressure / Overpressure Safe Maximum

<table>
<thead>
<tr>
<th>Pressure Ranges</th>
<th>Static pressure max. [psi]</th>
<th>Overpressure safe (both sides) max. [psi]</th>
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</thead>
<tbody>
<tr>
<td>Standard</td>
<td>Optional</td>
<td>Standard</td>
</tr>
<tr>
<td>0 to 10°H2O to 0 to 15°H2O</td>
<td>40</td>
<td>150</td>
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<tr>
<td>0 to 25°H2O to 0 to 100°H2O</td>
<td>100</td>
<td>150</td>
</tr>
<tr>
<td>0 to 6 psi</td>
<td>400</td>
<td>600</td>
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<tr>
<td>0 to 10 psi</td>
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<td>600</td>
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<tr>
<td>0 to 15 psi</td>
<td>400</td>
<td>600</td>
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<tr>
<td>0 to 25 psi</td>
<td>400</td>
<td>600</td>
</tr>
<tr>
<td>0 to 40 psi to 0 to 400 psi</td>
<td>400</td>
<td>600</td>
</tr>
</tbody>
</table>

Order Options
- Other threaded pressure connection
- Liquid filling (Type 733.51)
- Solid-front case (Type 73X.31)
- Higher static pressure and overpressure safety
- Air bleeding plugs ranges ≥ 6 psi
- Zero adjustment
- Front or rear flanges
- Pipe or surface mounting bracket (see data sheet AAM 09.07)
- Pressure entry at sides, front or rear of pressure chamber
- Pressure equalizing valve (see data sheet AAM 09.11)
- Alarm contacts (see data sheet AAE 08.01)
- Transmitters (see data sheet AAE 08.02)
- Indication of differential pressure and static pressure (add. indicator)
- Medium temperature > 212°F (100°C)

THE MEASURE OF
Total Performance™

Ordering Information:
State computer part number (if available) / type number / size / range / connection size and location / options required.

Specifications given in this price list represent the state of engineering at the time of printing. Modifications may take place and the specified materials may change without prior notice.