PDS02

Economical pressure gauge with diaphragm sensing system for measuring relative and differential pressures

- For non-corrosive gases
- Available measuring ranges: from 0–60 Pa to 0–30 kPa
- Rugged, heavy-duty cast aluminum housing
- For panel mounting or surface mounting

Description:
Model PDS02 pressure gauges can be used to measure positive, negative or differential pressures. The devices are enclosed in a rugged aluminum housing and have two sets of two pressure inlets – one set on the side, and one set on the back – which can be used as needed to accommodate the particular installation. Both of the unneeded pressure connections can be sealed off with the end plugs included with the gauge. In addition to standard scales in Pa or kPa, additional scales (mm WC, PSI, double scales, ±-scales with the zero point in the middle) are available upon request.

Typical Applications:
Because of their very low cost, model PDS02 pressure gauges are particularly suitable for inexpensive monitoring of the following conditions:

- Filter systems
- Air ducts
- Air blowers
- Pressure in spray-paint booths

and other, similar applications
Models:

Nominal size: Housing diameter of 114 mm
Materials: Gauge housing made of cast aluminum, gauge face made of plexiglass
Process connection: 2 sets x 1/8" NPT connections (4 total possible connections), female thread, located on the side and back
Compatible media: Air and other non-corrosive gases

Technical Specifications:

Measuring ranges:

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>Ordering codes</th>
<th>Special scales (available upon request)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0...60 Pa</td>
<td>D52</td>
<td>mm water column PSI inch water column</td>
</tr>
<tr>
<td>0...125 Pa</td>
<td>D53</td>
<td></td>
</tr>
<tr>
<td>0...250 Pa</td>
<td>D55</td>
<td></td>
</tr>
<tr>
<td>0...500 Pa</td>
<td>D56</td>
<td></td>
</tr>
<tr>
<td>0...750 Pa</td>
<td>D57</td>
<td></td>
</tr>
<tr>
<td>0...1 kPa</td>
<td>D58</td>
<td></td>
</tr>
<tr>
<td>0...1.5 kPa</td>
<td>D59</td>
<td>± - Scales with the zero point in the middle</td>
</tr>
<tr>
<td>0...2 kPa</td>
<td>D60</td>
<td>Special, customized scales</td>
</tr>
<tr>
<td>0...3 kPa</td>
<td>D61</td>
<td></td>
</tr>
<tr>
<td>0...5 kPa</td>
<td>D62</td>
<td></td>
</tr>
<tr>
<td>0...10 kPa</td>
<td>D63</td>
<td></td>
</tr>
<tr>
<td>0...15 kPa</td>
<td>D64</td>
<td></td>
</tr>
<tr>
<td>0...20 kPa</td>
<td>D65</td>
<td></td>
</tr>
<tr>
<td>0...30 kPa</td>
<td>D66</td>
<td></td>
</tr>
</tbody>
</table>

Options and accessories (more than one may be selected):

0 = None
ASF = Position indicator, installed in the device face
NT = Low-temperature design (−29 to +60°C)
ER = Stainless steel bezel
9 = Please specify in writing.

Order Number:
PDS02 10 A 08N D58 0
Economical pressure gauge with diaphragm sensing system for measuring relative and differential pressures
Models:
10 = Housing diameter of 114 mm
Materials:
A = Aluminum housing, plexiglass face
Process connection
08N = 2 sets x 1/8" NPT connections (4 total possible connections), female thread, located on the side and back
Measuring ranges:
D52 to D65 = See table in section “Measuring Ranges”
S = Measuring range available by special order

Dimensions:

114 mm 12.7
31.75 1/8" NPT (P+)
120
44.45 1/8" NPT (P-)
17.46
3-M4
103
42.9

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