PMD01

Digital Pressure Gauge with LCD Display, Battery Powered

- ideal for mobile service
- easy to read LCD, 4 digit
- measuring range from -1...0 bar to 0..1000 bar
- max. temperature: 70 °C
- MIN / MAX indication at Pro version
- automatic power saving mode
- display light

Description:
The PMD01 series digital pressure gauges can be used anywhere on site, independent of an external power supply. Thanks to the latest energy-saving technology, the average battery life is around 12 - 24 months. By means of thick-film technology, the pressure of the medium at the process connection is converted into an electrical signal, which is output on the display in the unit adjustable by the user – Pa, kPa, PSI, kg/cm², bar, MPa. The display is easy to read and is backlit.

Typical applications:
The digital pressure gauges have proven themselves in the following areas of application:

- mechanical engineering
- plant engineering
- hydraulic and pneumatic systems
- measuring equipment monitoring

The PMD01 can also be used as a mobile test device due to its battery-powered operation.
Measuring Ranges:

<table>
<thead>
<tr>
<th>Order code</th>
<th>Meas. range [bar]</th>
<th>PMD01.S Limit of surcharge [bar]</th>
<th>PMD01.P Limit of surcharge [bar]</th>
</tr>
</thead>
<tbody>
<tr>
<td>A16</td>
<td>-1...0</td>
<td>0,5</td>
<td>0,5</td>
</tr>
<tr>
<td>A70</td>
<td>0...1,6</td>
<td>3,2</td>
<td>2,4</td>
</tr>
<tr>
<td>A72</td>
<td>0...2,5</td>
<td>5</td>
<td>3,7</td>
</tr>
<tr>
<td>A73</td>
<td>0...4</td>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>A74</td>
<td>0...6</td>
<td>12</td>
<td>9</td>
</tr>
<tr>
<td>A75</td>
<td>0...10</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>A76</td>
<td>0...16</td>
<td>32</td>
<td>24</td>
</tr>
<tr>
<td>A78</td>
<td>0...25</td>
<td>50</td>
<td>37,5</td>
</tr>
<tr>
<td>A79</td>
<td>0...40</td>
<td>80</td>
<td>60</td>
</tr>
<tr>
<td>A80</td>
<td>0...60</td>
<td>120</td>
<td>72</td>
</tr>
<tr>
<td>A81</td>
<td>0...100</td>
<td>150</td>
<td>120</td>
</tr>
<tr>
<td>A82</td>
<td>0...160</td>
<td>240</td>
<td>192</td>
</tr>
<tr>
<td>A84</td>
<td>0...250</td>
<td>375</td>
<td>300</td>
</tr>
<tr>
<td>A86</td>
<td>0...400*</td>
<td>/</td>
<td>480</td>
</tr>
<tr>
<td>A87</td>
<td>0...700*</td>
<td>/</td>
<td>720</td>
</tr>
<tr>
<td>A88</td>
<td>0...1000*</td>
<td>/</td>
<td>1200</td>
</tr>
</tbody>
</table>

* Measuring range not for Standard version PMD01.s

Order Code:

<table>
<thead>
<tr>
<th>Order number</th>
<th>PMD01.</th>
<th>S.</th>
<th>A16</th>
<th>0</th>
</tr>
</thead>
</table>

Digital pressure gauge with LCD display

Version:
S = Standard-version: Ø 60 mm, accuracy 1 % FS
P = Pro-version: Ø 80 mm, Min/Max memory, accuracy 0,2 % FS

Measuring ranges: see table „Measuring Ranges“

Options:
0 = without
9 = please specify in plain text

Accessories:

Rubber housing for Standard-version: PMD01-Z.S.G
Rubber housing for Pro-version: PMD01-Z.P.G

Technical Data:

Housing:
stainless steel 1.4301

Process connection:
G ¼ B acc. to EN 837-1
stainless steel 1.4301

Pressure sensor:
ceramic membrane

Measuring rate:
Standard: 2 measurements per second
Pro: 3 measurements per second

Battery:
2 c micro AAA (not included)
lifetime ca. 12-24 months

Accuracy:
Standard: 1,0 % FS
Pro: 0,2 % FS

Long-term drift:
≤ 0,2 % FS / year

Display:
LCD, 4 digit,
height of digits 16 mm
backlight
battery level indicator
peak pressure indicator at Pro-version

Units:
Pa, KPa, PSI, kg/cm², bar, MPa, adjustable

Data memory:
Pro-version only:
1 x min value
1 x max value

Temperature range:
Standard: -10...+70 °C (operating temperature)
18...30 °C (compensated range)
Pro: -10...+60 °C (operating temperature)
0...40 °C (compensated range)

Protection class:
IP54

Weight:
Standard: ca. 300 g
Pro: ca. 350 g