

# 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..700 bar
- max. temperature: 80 °C
- bar graph indication
- peak pressure indication
- automatically switch-off time
- automatically switch-off of 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 5500 hours. A piezoresistive semiconductor pressure sensor converts the pressure of the medium at the process connection into an electrical signal, which is output on the display in the unit adjustable by the user – bar, psi, kpa, Mpa or kg/cm<sup>2</sup>.

An advantage is the bar graph display, which also allows the tendency of the measurement signal to be clearly seen from a distance. The display 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.



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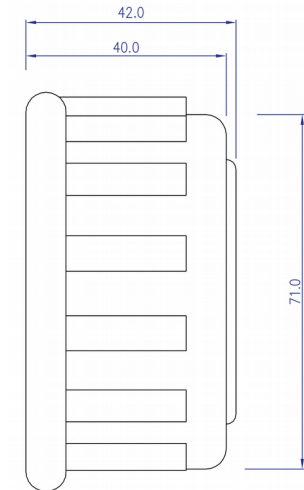
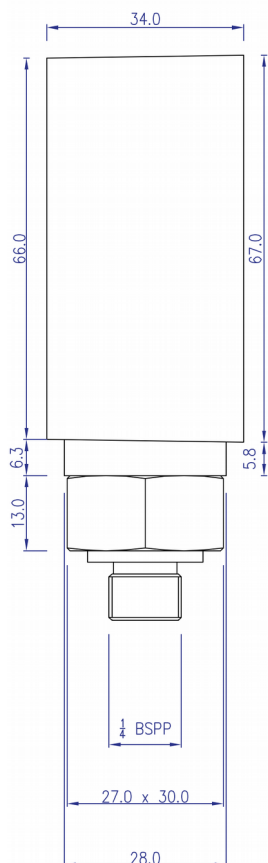
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## Measuring Range:

Measuring range [bar]	Order number
-1...0	A16
-1...+1,5	A43
-1...+5	A45
-1...+9	A46
-1...+15	A49
0...1	A69
0...1,6	A70
0...2,5	A72
0...4	A73
0...6	A74
0...10	A75
0...16	A76
0...25	A78
0...40	A79
0...60	A80
0...100	A81
0...160	A82
0...250	A84
0...400	A86
0...700	A87

## Dimensions:



Silicone sleeve

## Order Code:

Order number: **PMD01. 1. A75. 0**

Digital pressure gauge with LCD display

### Version:

1 = standard version IP51  
2 = with silicone sleeve shock-protected and IP65

### Model A and measuring range:

see table „Measuring Range“

### Options:

0 = without  
9 = please specify in plain text

## Technical Data:

**Housing:** plastic ABS, 67 mm diameter

**Process connection:** G ¼ AG

**Material:** stainless steel 1.4404  
**(wetted)**

**Overload capacity:** 150 % of m.v

**Battery:** 9 VDC block battery

**Accuracy:** ± 0,25 % of full scale, ± 1 digit

**Long-term drift:** ≤ 0,1 %/year

**Conversion rate:** 4 measurements per second

**Display:** LCD, 4 digit, -1999 to 9999  
backlit  
(switch-off time adjustable 0...15 min)  
trend view through bar graph display  
battery level indicator  
peak pressure indicator

**Units:** bar, psi, kpa, Mpa, kg/cm², adjustable

**Temperature range:** -20...+80 °C (operating temperature)  
-10...+60 °C (compensated range)

**Automatic switch-off:** adjustable 0...15 minutes

**Protection class:** IP51  
IP65 (with silicone sleeve)

**Weight:** ca. 260 g