

# 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/cm<sup>2</sup>, 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.

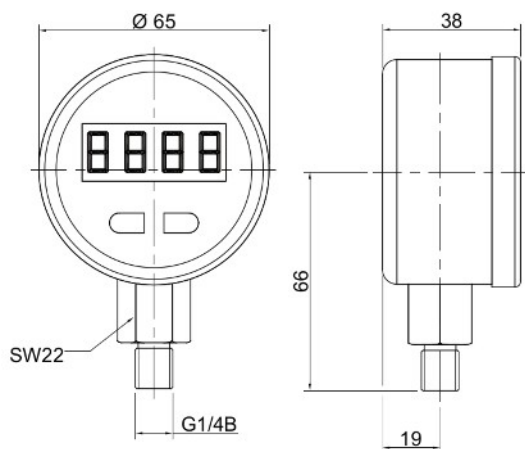
## Measuring Ranges:

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

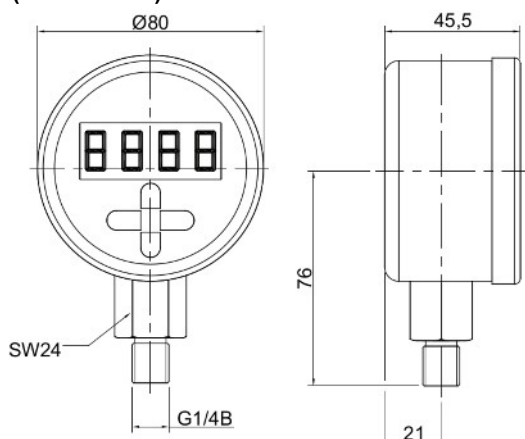
\* Measuring range not for Standard version PMD01.s

## Dimensions:

### PMD01.S (Standard-Version):



### MD01.P (Pro-Version):



## Order Code:

Order number: **PMD01.S.A16.0**

Digital pressure gauge with LCD display

### Version:

S = Standard-version: Ø 60 mm, accuracy 1 % FS  
 PG = Pro-version: Ø 80 mm, Min/Max memory, accuracy 0,4 % 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 x micro AAA (not included)  
 lifetime ca. 12-24 months

### Accuracy:

Standard: 1,0 % FS  
 Pro: 0,4 % FS  
 0,2 % FS (optional)

### Long-term drift:

≤ 0,2 % FS / year

### Display:

LCD, 4 digit,  
 height of digits 16 mm  
 backlit  
 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