# **Pressure sensor**



#### **EPT 2105**

- Long life and proven performance
- Light weight plastic design
- Low cost pressure measuring



The new EPT2105 is based on the proven design of the EPT2100 and optimized for applications with low cost requirements.

The monolithic measuring cells used within this design coupled with the high level output circuitry, assures excellent accuracy and long term stability within a light weight design.

The monolithic sensing element is compatible with many medias, including oil and compressed air and is suitable for applications with measuring ranges from 6 to 20 bar.

## **Specifications**

**Performance** 

Accuracy

 $< \pm 0.5$  % at room temp. < ± 2,5 % at -40..105°C

Stability (1 Year)  $< \pm 0.1 \%$ 

Overrange pressure 20 bar

Burst pressure 30 bar > 10 million Pressure cycles

Current consumption < 7.5 mA

Excitation

**Electronics** 

Short circuit protection Yes

Reverse voltage

Protection Yes

**Environment** 

-40° to 125°C Temperature

Shock 1000 G, 11 mses., 1/2 Sine Vibration 16 G peak, 20 to 2000 Hz

Sealing IP 66 **Mechanics** 

Housing Plastic

Pressure port see select table on backside see select table on backside Electr. connection

5 VDC

at 0,5 - 4,5 V

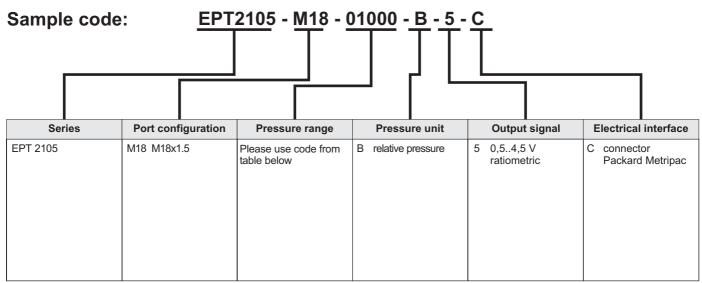
Weight ca. 25 g





### **Ordering information**

(Please use the characters in the chart below to construct your product code)



Custom options available on request

| Pressure range |       |       |       |       |
|----------------|-------|-------|-------|-------|
| Bar            | 6     | 10 *  | 16    | 20    |
| Code           | 00600 | 01000 | 01600 | 02000 |

<sup>\*</sup> Standard pressure ranges

The EPT2105 series are backed by a 1 Year Warranty. The purchaser is responsible for compatibility of the media, functional adequacy and correct installation of the transmitter.

 $\textbf{MOQ-1000 pieces.} \ \textbf{Please contact us for if you require quantities below}.$ 

#### **Dimensions**

