

# Differential Pressure Sensor for Filters



measuring  
•  
monitoring  
•  
analyzing

PMP



- Compact Size
- 4-Digit LED-Indication
- 2 Programmable Relays
- Output: 4 - 20 mA
- Easy Installation
- Overrange up to 750 mbar
- Easy to Program



KOBOLD companies worldwide:

ARGENTINA, AUSTRALIA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CHILE, CHINA, COLOMBIA, CZECH REPUBLIC, EGYPT, FRANCE, GERMANY, HUNGARY, INDIA, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, PERU, POLAND, REPUBLIC OF KOREA, ROMANIA, SINGAPORE, SPAIN, SWITZERLAND, TAIWAN, THAILAND, TUNISIA, TURKEY, UNITED KINGDOM, USA, VIETNAM

KOBOLD Instruments, Inc.  
1801 Parkway View Drive  
Pittsburgh, PA 15205  
Main Office:  
1.800.998.1020  
1.412.788.4890  
info@koboldusa.com  
www.koboldusa.com

**Description**

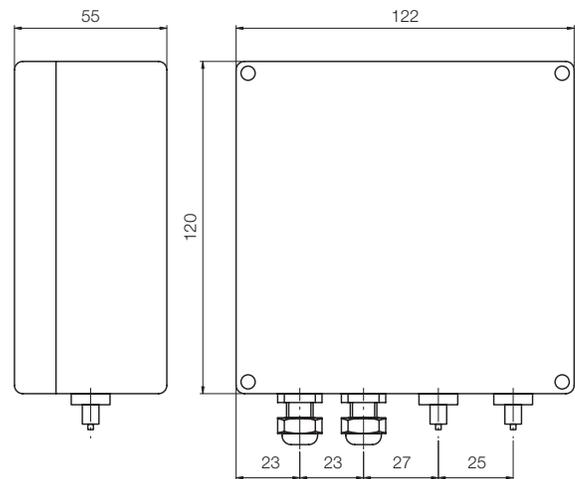
The PMP differential pressure sensor is used for controlling and measuring the differential pressure of air or non-corrosive gases. It is widely used for monitoring filters by measuring the pressure difference before and after the filter chamber. The need for a cleaning cycle can then be determined by the increased differential pressure which activates the programmable relay. The second relay produces an alarm if the differential pressure continues to increase. The differential pressure is shown on a four-digit display. For remote transmission, a 4- 20 mA output signal is provided. The device is controlled by a micro processor. Relay, hysteresis, time delay of the relays, and analog output are programmable.



**Technical Details**

- Range:** 0...500 mm H<sub>2</sub>O (50 mbar)
- Max. Pressure:** 750 mbar
- Ambient Temperature:** -10...60 °C
- Housing:** Polycarbonate
- Pressure Connection:** 2x 1/4" NPT Female or 2x hose connectors for 6 x 8 mm tubing
- Accuracy:** ±1% of Full Scale
- Resolution:** 0.1 mm W.C.
- LED-Indication:** 4-digit, 15 mm high
- Supply Voltage:** 24, 110, 230 V<sub>AC</sub> 50/60 Hz or 24 V<sub>DC</sub>
- Power Input:** 4 VA
- Max. Cable Diameter:** 2.5 mm<sup>2</sup>
- 2 relays:** max. 230 V<sub>AC</sub>, 0.5 A
- Output:** 4- 20 mA (load max. 500 Ω)
- Protection:** IP 65

**Dimensions (mm)**



**Order Details**

Model	Process Connections	Supply Voltage
PMP-1050..	..E1.. = 6 x 8 mm Tube Connection	..D042 = 230 V <sub>AC</sub> ..D442 = 110 V <sub>AC</sub>
	..N2.. = 1/4" NPT Female Connection	..D242 = 24 V <sub>AC</sub> ..D342 = 24 V <sub>DC</sub>

**Electrical Connection**

