

# KDPM100

## Differential Pressure Monitor



### Description

Differential Pressure Monitor, KDPM100 provide a simple, accurate and economical method to measure and display the room pressure difference in real time. The pressure status in the room can clearly indicated through the device's green or red indicator lights and an optional audible alarm. Thanks to continuous monitoring and real-time reporting status, choosing KDPM100 can reduce the frequency of preventive maintenance inspections.



### Features

- Quick and easy installation
- Single zone pressure status for all positive or negative pressure zones
- Visual alarm via red/green indicator light
- Optional audible alarm function.

### Applications

- Disinfection room
- Isolation ward
- Sterile storage room
- Protective ward
- Endoscopy room
- Observing room

### Technical Data

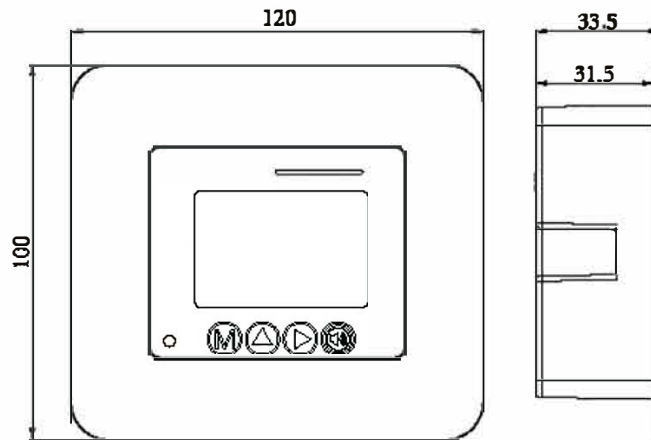
Model	KDPM100
Measurement units	Pa
Accuracy	$< \pm 1 \text{ Pa} @ -5 \text{ to } +65^\circ\text{C}$
Response time	0.5s
Repeatbality	$\pm 0.01 \% \text{ at FS / year}$
Resolution	0.1 Pa
Media	Air and neutral gases
Operating temperature	$-20 \dots +70^\circ\text{C}$
Storage temperature	$-40 \dots +60^\circ\text{C}$
Power consumption	$< 3 \text{ W}$
Tolerated overpressure	$\times 15$
Power Supply	16~30VAC/DC (3 wire) / 18-30VDC (2 wire)
Output signal	4-20mA (2 wire)
	4-20mA (3 wire)
	0-5 / 0-10VDC (3 wire)
	RS-485
	Customized
Auto zero	Manual calibration
Housing material	Polycarbonate & ABS, UL94V-0, Stainless steel panel
Protection class	IP30
Display	Backlight LCD display (4-20mA 2 wire without backlight)

# KDPM100

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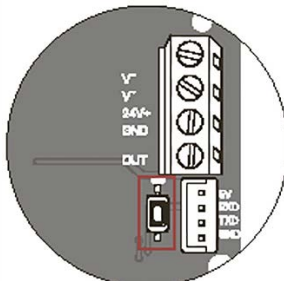


### Dimensions (mm)



To configure the transmitter, it must not be energized. Then, you can make the settings required, with the DIP switches. When the transmitter is configured, you can power it up.

### Manual Zero-point Correction



In normal operation zero point correction should be executed every 12 months. For executing zero point correction the power supply must be connected one hour before.

- Release both connection tubes from the pressure terminals + and -
- Press and hold the button for 3 seconds.
- Reinstall the connection tubes

### Ordering Guide

KDPM100	Range		Display		Output		Alarm
Model	Range		Display		Output		Alarm
KDPM100	-25~+25 (1)	(1)	LCD	(D)	4-20mA (2 wire)	(E)	(A)
	-50~+50(2)	(2)			4-20mA (3 wire)	(F)	
	-100~+100Pa (3)	(3)			0-5/0-10VDC (3 wire)	(G)	
					RS-485	(H)	
					Custom		

### Order Examples

#### KDPM100-1-D-E

Model	KDPM100 Differential Pressure Monitor
Ranges	-100 ... +100 Pa
Display	Display
Output	4-20mA (2 wire)
Alarm	Y

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### ■ Notes On Disposal



Most Keram Controls products may contain valuable materials that should be recycled rather than treated as domestic waste. Please pay attention to the relevant regulations of local disposal.

### ■ Product Certification



Declaration of conformity

### ■ Accessories(OPTIONAL)



Pressure connection set:  
2 m PVC hose with 2 ABS pressure connection nipples.