



Description

KDP210 differential pressure transmitter has high precision, ultra-low & adjustable range, fast response characteristics, widely used in clean electronics and pharmaceutical factories, as well as large commercial buildings, medical centers and transportation hub.

Features

- Ranges from -100/+100Pa to -10000/+10000Pa (according to models)
- Auto zero manual calibration
- Voltage, current, digital signal output
- Backlight LCD display
- Standard accuracy $\leq \pm 1\%$ FS
- Adjusting measurement time by setting button
- External mounting holes
 - Mounting with closed cover
 - Easy & fast mounting
- IP65 house protection

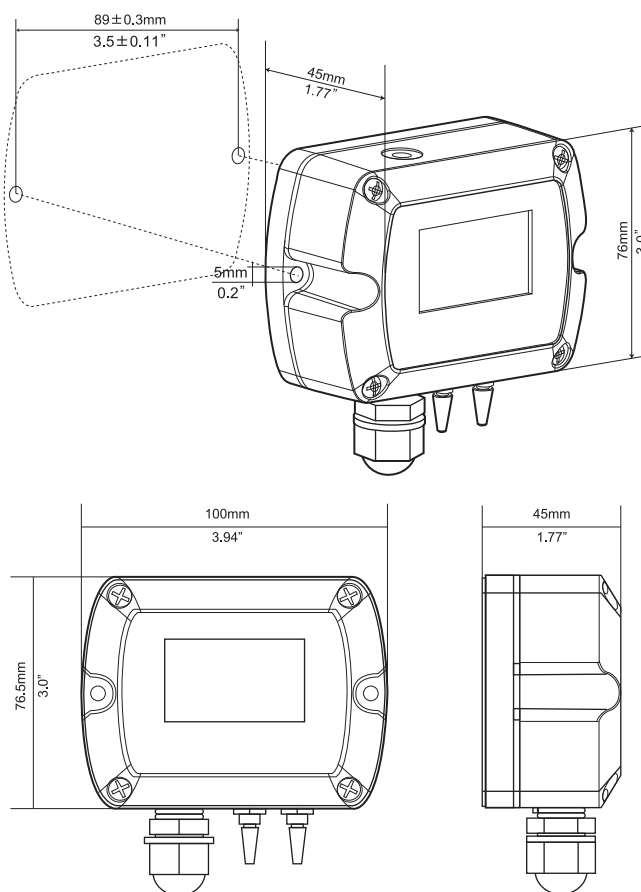
Applications

- HVAC system
- Pharmaceutical clean rooms
- Electronic clean rooms
- Medical clean rooms
- Commercial buildings
- Public transport hub

Technical Data

Model	KDP210
Measurement units	Pa, mmH ₂ O, inWG, mmHG, kPa, mbar
Accuracy	$\leq \pm 1\%$ FS@-5 to +65°C
Response time	0.1s; 0.5s; 1s; 2s
Repeatbality	$\pm 0.01\%$ at FS / year
Resolution	1 Pa; 1 mmH ₂ O; 0.01 mbar; 0.04 inWG; 0.01 mmHG; 0.001 kPa
Media	Air and neutral gases
Operating temperature	-20 to +80° C
Storage temperature	-40 to +80° C
Power consumption	<3 W
Tolerated overpressure	× 15
Power Supply	16~30V DC(3 wires) 18~30V DC(2 wires)
Output signal	4-20mA (2 wires)
	4-20mA (3 wires)
	0-5 / 0-10VDC (3 wires)
	Modbus RS-485
Auto zero	Manual calibration
Housing material	Polycarbonate & ABS, UL94V-0
Protection class	IP65 / NEMA4
Display	Backlight LCD display
Cable Gland	M16*1.5

Dimensions (mm)



Ordering Guide

KDP210 — **Range** — **Display** — **Output**

Model	Ranges		Display		Output	
KDP210	-100~+100Pa	(1)	LCD backlight	(D)	4-20mA (2 wires)	(E)
	-250~+250Pa	(2)			4-20mA (3 wires)	(F)
	-500~+500Pa	(3)			0-5 / 0-10VDC (3 wires)	(G)
	-1000~+1000Pa	(4)			Modbus RS-485	(H)
	-2000~+2000Pa	(5)				
	-4000~+4000Pa	(6)				
	-10000~+10000Pa	(7)				
	Customized					

Order Examples

KDP210-2-D-E

Model	KDP210 Differential Pressure Transmitter
Ranges	-250~+250Pa
Display	Backlight Display
Output	4-20mA (2 wires)