



ADP-□□□-□□□

Code	Measuring range
025	-25~25 Pa
125	-125~125 Pa
500	-500~500 Pa

Code	Signal output
A	DC 4-20mA
2	DC 0-10V
4	RS485 (Modbus,RTU)

Code	Display
D	Yes
X	No

Differential pressure transmitter are used for acquiring the differential pressure of air in ventilation, air conditioning, and heating plants. The ADP series uses CMOSense technology sensor, which measures the pressure of air and nonaggressive gases with great accuracy and no offset drift. It can measure over- or under-pressure in air ducts in relation to ambient pressure as well as to monitor filters and to control fans and acquire pressure difference between different rooms. It can be widely applied to Air-conditioning and ventilation systems, Building automation, Environmental protection, Fan and ventilation control, Valve and shutter control, Filter and fan monitoring.

#### ■ Specifications

Model	ADP-025	ADP-125	ADP-500
Detecting method	Thermal flow-through principal		
Media compatibility	Air, N <sub>2</sub> , O <sub>2</sub>		
Temperature compensation	Yes		
Response time (T1/e)	4.6 ms typical at 12-bit resolution		
Measuring range	-25~25 Pa	-125~125 Pa	-500~500 Pa
Accuracy	Zero : ±0.1 pa ; Span : ±3% of F.S.		Zero : ±0.2 pa ; Span : ±3% of F.S.
Repeatability	0.5% of F.S.		
Offset stability	< 0.1 pa/ yr.		

Signal output	DC 4 ~ 20mA (Loading resistance $\leq 500\Omega$ ); DC 0 ~ 10 V(Loading resistance $\geq 50K\Omega$ ); RS485 (Modbus RTU)		
Display	LCM display (3 digits) optional;		
Display selection	-25 ~ 25 Pa -25 ~ 0 Pa 0 ~ 25 Pa	-125 ~ 125 Pa -125 ~ 0 Pa 0 ~ 125 Pa	-500 ~ 500 Pa -500 ~ 0 Pa 0 ~ 500 Pa
Withstand pressure	1 bar		
Burst pressure	> 5 bar		
Operating environmental	-10°C ~ +60 °C ; 0 ~ 95% RH (non-condensation)		
Transportation and storage	-20°C ~ +70 °C		
Warm-up time	Typ. 50 ms (first measurement typically after 16 ms)		
Power supply	12 ~ 36V AC/DC , 50/60Hz		
Power consumption	<0.6W ( peak value)		
Installation	Wall-mount		
Dimensions (mm)	98(H) x 64(W) x 34(D)		
Case material	Cast aluminum		
Protection rate	IP54		

## ■ Dimensions

