

ASDP-21D

Differential Pressure Transmitter

The ASDP-21D differential pressure transmitter is widely used for the detection of air or neutral gases. The product adopts MEMS micro-pressure core, with temperature compensation, and has the characteristics of sensitive pressure response, long-term stable output and superior temperature performance. It has the features of 1%FS accuracy, strong overload capacity, a variety of pressure ranges and signal output, easy installation etc.



Application

- Energy management system
- HVAC system
- VAV and fan control
- Cleaning room pressure
- Smoke mask control
- Furnace pass risk control system

Features

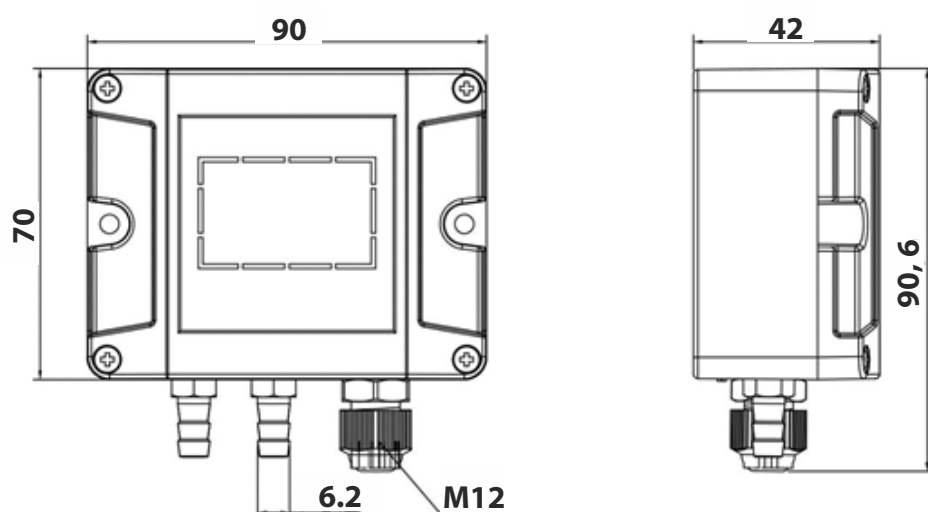
- Cost-effective, strong stability
- Variety of output signals
- LCD backlit digital display
- Digital pressure acquisition and temperature compensation
- High precision core Sensor
- Multi-function debugging kit is optional

Performance Characteristics

Range range	-1000~+1000Pa	-500~+500Pa	-250~+250Pa
	-5~+5kPa	-10~+10kPa	Any range between -100 ~ +100kPa
Measurement accuracy	$\pm 1\%FS$,		
Allowable overvoltage	120%FS		
Measuring medium	Non-corrosive gas		

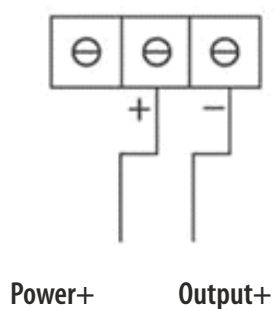
Output signal	0~10Vdc	4~20mA	RS-485 signal
Power supply	12~32Vdc		
Power dissipation	<1W		
Response time	0.5s		
Reveal	LCD backlit digital display		
Display unit	Pa , kPa		
Zero calibration	Manual key zero calibration (with debugging kit)		
Resolution	1Pa , 100Pa		
Service temperature	-10~+60°C		
Storage temperature	-20~+70°C		

Dimensional Drawing (MM)

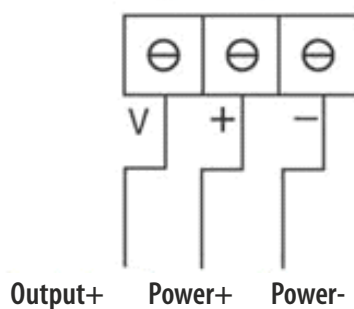


Electrical Connection

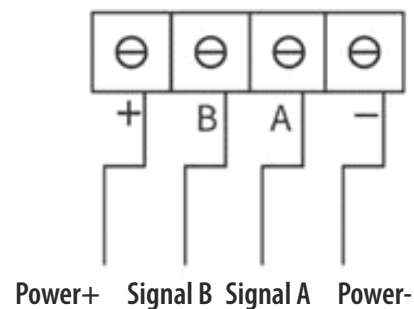
Current output



Voltage output



RS485 output



Ordering Guide

ASDP - 21D - 1 - 1 - 1 - D

Model Family

ASDP-21D Differential Pressure Transmitter

Pressure Range

- 1 = -1000~ +1000 Pa
- 2 = -500~ +500 Pa
- 3 = -250~ +250 Pa
- 4 = -5~ +5 kPa
- 5 = -10~ +10 kPa
- 6 = -100~ +100 kPa
- S0 = Customised

Accuracy

- 1 = $\pm 1\%$ FS

Display

- WD = Without Display
- D = With Display

Output

- 1 = 4~20 mA
- 5 = 0~10 VDC
- 7 = RS 485

Due to continuous development of our products technical information's are subject to change.

Please ensure the compatibility between the measured medium and the contacting part of the product when placing an order.

ACT Sensors reserves the right to make any change in this datasheet without notice. The information provided is believed to be accurate and reliable as of this product sheet.

Contact factory for custom configurations not shown



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Your Engineering Partner...

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