



# ACT SENSORS PRIVATE LIMITED

## ASDP-21A Differential Pressure Transmitter

ASDP-21A Differential Pressure Transmitter is assembled by OEM piezoresistive silicon differential pressure sensor, and the housing is the aluminium alloy structure; the pressure connection is M10 thread & agnail structure, and can be directly installed on the measuring piping or connected through the press-leading tube; it is easy to install and use, and widely applies in the air supply for boiler, underground ventilation and other electricity and mining industries, as well as the process control field of automated pressure detection for the super clean workshop.



### Features

- $\phi 8$  agnail connection, easy to install
- Measuring tiny gas differential pressure value
- Firm and well-sealed aluminium alloy housing
- The zero point and full span of the product can be adjusted externally
- With the short circuit protection and reverse polarity protection
- Full range compensation for zero and sensitivity temperature
- Strong anti-interference capacity, stability performance

### Applications

Applicable to the air supply for boiler, underground ventilation and other electricity and mining industries, as well as the process control field of automated pressure detection for the super clean workshop.

### Specification

**Pressure Range: 0 to 250 Pa...1kPa...100kPa**

**Pressure Reference: Differential Pressure**

**Supply & Output: 4-20 mA(Power Supply: 16-36 V)**

**Operating Temperature: -10 to 60 Deg C**

**Medium Temperature: -10 to 60 Deg C**

**Storage Temperature: -40 to 125 Deg C**

**Zero Temp. Coefficient:  $\pm 2.5\%$ FS (@0 Deg C to 50 Deg C)**

**Sensitivity Temp. Coefficient:  $\pm 3\%$  FS (@0 Deg C to 50 Deg C)**

**Overpressure: 200% FS**

**Mechanical Vibration: 20G (20 to 5000Hz)**

**Comprehensive Accuracy: 100Pa, 250Pa:  $\pm 3\%$ FS**

**500Pa, 1kPa,2kPa:  $\pm 2\%$ FS**

**5kPa,7kPa,10kPa:  $\pm 1.5\%$  FS**

**10kPa to 100kPa:  $\pm 0.5\%$ FS**

**Response Time:  $\leq 1$ ms(upto 90% FS)**

**Long-term Stability:  $\pm 0.2\%$  FS/year**

**Protection Grad: IP65**

**Material: Stainless Steel or aluminium alloy for Housing**

**Medium Compatibility: All kinds of media compatible with Stainless steel or Aluminium alloy**

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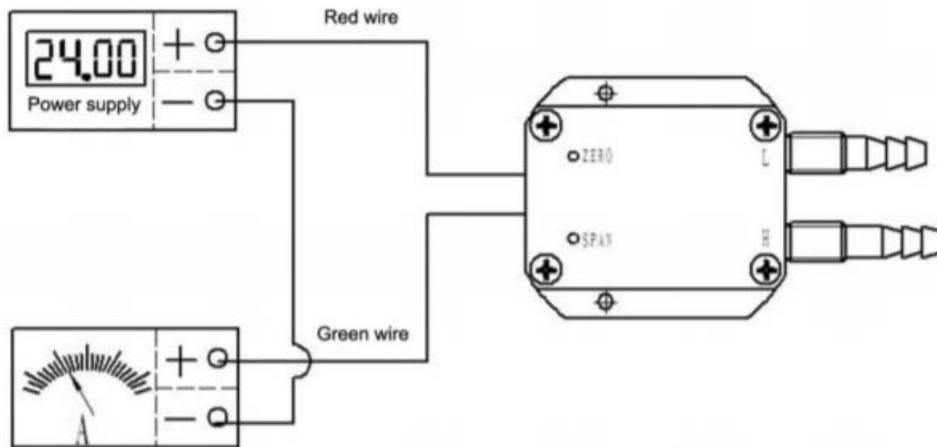
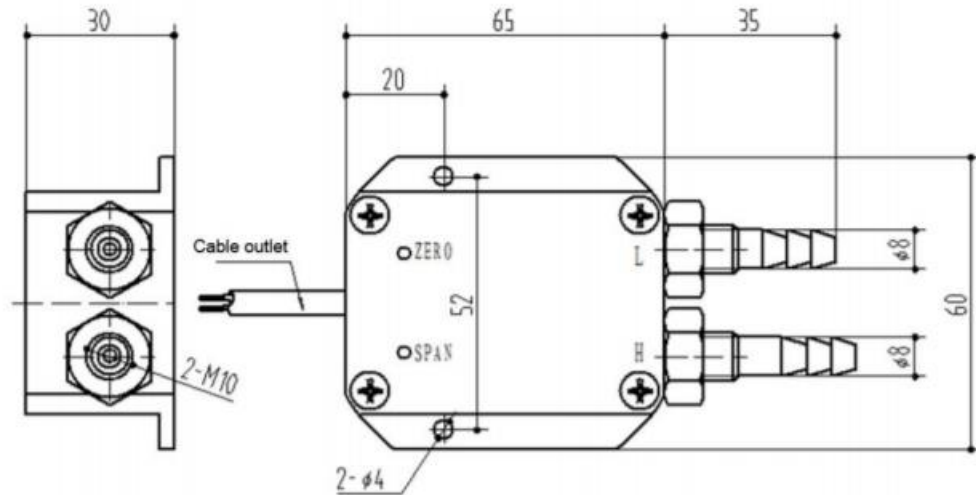
FlatNo.1,GroundFloor,PlotNo.543,HerambhApartment,KherSection,ShivMandirRoad,Ambarnath(E)PIN:421501



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## Dimension

Dimension  
In mm



### Ordering tips

Please note the compatibility of wetted part with the measured medium during the selection.

*ACT reserves the right to make changes to any product in this publication without notice. The information provided is believed to be accurate and reliable as of this printing.*

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