ASDP 21A
Differential Pressure Transmitter

Your Engineering Partner...

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.



Major features

- **φ8 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**
- **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.

Technical Parameters

Performance

Pressure range	:	0~250 Pa…..1kPa.....100 kPa
Pressure reference	:	Differential Gage
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
Stability (1 year)	:	$\leq \pm$ 0.2% of FS
Over Range Protection	:	200% F.S.
Response Time	:	$\leq$ 1ms (upto 90% F.S.)
Reverse Polarity Protection	:	Yes

*Accuracy includes non-linearity, hysteresis & non-repeatability

Thermal

Temperature

Ambient Temp.	:	-10 ~ 60^{0}C
Medium Temp.	:	-10 ~ 60^{0}C
Storage Temp.	:	-40 ~ 120^{0}C

Thermal Limits

Compensated Range	:	0 ~ 50^{0}C
TC Zero	:	$\leq \pm$ 2.5%FS (@0 Deg C to 50 Deg C)
TC Span	:	$\leq \pm$ 3%FS (@0 Deg C to 50 Deg C)

Environmental

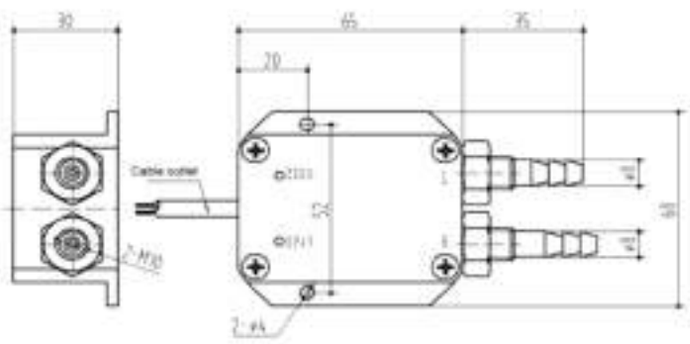
IP Rating*	:	IP65 minimum
Mechanical Vibration	:	20G (20 to 5000Hz)
Material	:	Stainless Steel or aluminium alloy for Housing

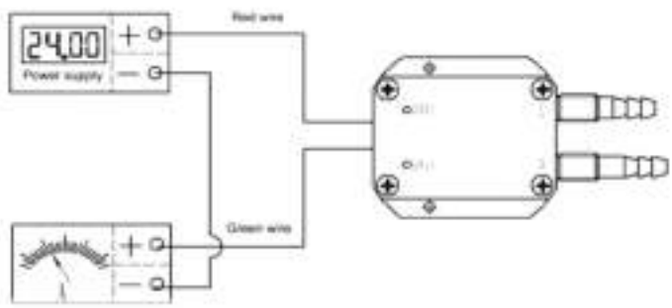
Electrical

Output	4~20 mA
Excitation	16..36VDC

Dimension

dimensions in mm





Ordering Guide

ASDP21A-25-m-G-1-C-A

Model Family

ASDP 21A

Pressure Range

- Insert Pressure Code
- Consult factory for pressure above 100kPa

Pressure Unit

- P= Pascal
- K= Kilo Pascal
- m= MilliBar
- W= Inches of WC

Pressure Reference

- G= Gauge

Special Options

- Blank- No Special Option
- X- Special Option Request

Process connection

- A= 8mm Agnail Connection

Electrical

- C= Cable Version

Output

- 1 = 4-20 mA

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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