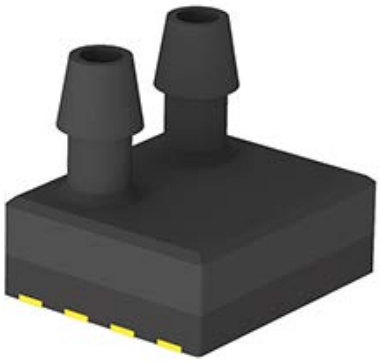
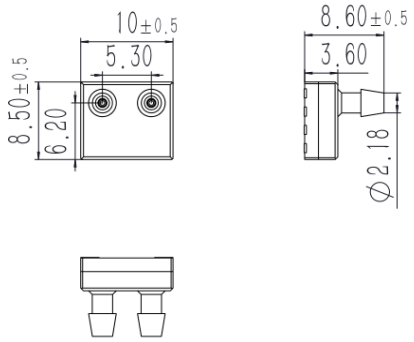
ADP2000 Differential Pressure Sensor





Unit: mm

1. Product Summary

ADP2000 is a digital differential pressure sensor with an internal thermal sensor element which measures the gas differential pressure. The sensor can measure the differential pressure of air, nitrogen and oxygen with no drift and high precision. It measures differential pressure range from -500 to +500Pa, and also has excellent accuracy even at low differential pressures.

ADP1000 has digital I^2C signal output, it can easily connect and communicate with a microprocessor.

2. Key Features

- Good repeatability and no temperature drift
- Built-in temperature compensation
- High reliability and long-term stability
- High signal-to-noise ratio
- Built-in MCU with high processing ability
- Extremely small size

3. Dimension

4. Technical Parameters

Working voltage	3.2~3.4V
Working current	＜45mA
Measurement range	-500~+500Pa
Accuracy	±3% Readings
Response time	10ms

5. Applications

ADP2000 is designed for high precision measurement of differential pressure, with update time as fast as 10ms, ADP2000 can respond quickly to differential pressure change of air, nitrogen and oxygen.

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