

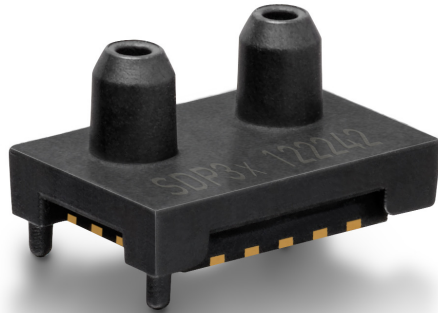


Creating Space for Your Ideas

With Flow and Filter Monitoring, Anywhere

- Measurement of differential pressure or air flow in bypass
- Best accuracy, repeatability and long-term stability
- Extensive feature set – reflow solderable

Differential Pressure Sensor SDP3x



FEATURES

- Smallest size (5 mm x 8 mm x 5 mm), opening up new possibilities in application and integration
- Measurement range ± 500 Pa (± 2 in. H₂O)
- Excellent accuracy and repeatability, even below 1 Pa
- No zero-offset, no drift
- Calibrated and temperature compensated
- Fast sampling time of 2 kHz at 16 bit resolution
- Digital I²C and analog output versions
- Reflow solderable, shipped in "Tape and Reel" for "Pick and Place"

APPLICATIONS

- Appliances
- Consumer products and lifestyle
- Medical home care applications
- Portable medical devices

EVALUATION KIT

The EK-P4 evaluation kit can be ordered from our catalog distributors or from Sensirion directly.

CMOSens® TECHNOLOGY

All Sensirion products are characterized by the fusion of the sensor element and digital signal processing on a single CMOS chip. The benefits of CMOSens® are:

- High reliability and long-term stability
- Best signal-to-noise ratio
- Industry-proven technology with a track record of more than 15 years
- Designed for mass production
- High process capability

FLOW MEASUREMENT IN BYPASS

A differential pressure sensor in a bypass configuration is the ideal and cost-effective choice for measuring airflow with high accuracy, robustness and stability. In a bypass configuration, the differential pressure sensor is placed over a pressure drop element.

For more information, please read our technical whitepaper "Efficient Flow Measurements in Bypass".