Creating Space for Your Ideas

With the World’s Smallest Flow Sensor

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

www.sensirion.com/sdp3x
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
- Medical home care applications
- Portable medical devices
- Consumer products and lifestyle
- Appliances

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 air flow 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 white paper “Efficient Flow Measurements in Bypass”.

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

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