



Filter Monitoring

Experts for HVAC Sensor Solutions

State-Of-The-Art Filter Monitoring with SDP800 Differential Pressure Sensor

- High accuracy and stability at low differential pressures ensure optimized filter change
- Capable of data acquisition to simplify trend analysis over the filter's lifetime
- Altitude-independent and temperature-compensated sensor (−20 to 85 °C)

Differential Pressure Sensor SDP800 Series



FEATURES

- Outstanding accuracy and repeatability below 0.004" wc (below 1 Pa)
- Measurement range: ± 2.0 " wc (± 500 Pa)
- Zero-point accuracy: ± 0.0004 " wc (± 0.1 Pa)
- Resolution (zero-point repeatability): ± 0.0002 " wc (± 0.05 Pa)
- Fully calibrated and temperature-compensated at Sensirion Factory
- Operating temperature range: -40 to 185 °F (-40 to 85 °C)
- Digital I²C and analog version

For more information, please read our technical white paper "State-Of-The-Art Filter Monitoring".

OTHER APPLICATIONS

- VAV control
- Burner control
- Boilers
- Heat recovery systems
- Air pressure control
- Ventilation and fan control

EVALUATION KIT

The EK-P5 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 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".