

# Press Release: Product Announcement

November 2006, Sensirion AG, CH-8712 Stäfa, Switzerland

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## New Differential Pressure Sensor for Medical Applications



Sensirion AG (Stäfa, Switzerland) presents the new SDP1108 differential pressure sensor for medical applications. Offering reduced response time and improved precision, the new SDP1108 extends the range of applications of the current Sensirion SDP product family. Based on the highly accurate, low-cost SDP1000, the SDP1108 has been optimized in terms of dynamic behavior and response time. Its main target market is medical instrumentation.

Like the SDP1000, the SDP1108 offers superior long-term stability, reliability and easy handling thanks to CMOSens® technology.

The new SDP1108 provides a response time of less than 8ms with a low-noise 12-bit equivalent analog signal output – even in the pressure range below 1Pa (0.01 cmH<sub>2</sub>O).

Thanks to internal filtering, integration and conditioning of the sensor signal, the SDP1108 is ideally suited for bidirectional air flow measurement in ventilation applications, where fast measurement and control are required.

The sensor output signal typically does not require additional filtering and linearization. It can be used directly in analog control circuits or processed directly in digital form after A/D conversion.

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### About Sensirion:

Sensirion is a high-tech sensor company based in Zurich, Switzerland. Sensirion is the leading international supplier of intelligent CMOS-based sensor elements using patented CMOSens® Technology for humidity/temperature sensors, mass flow measurement and control devices for gases and liquids, and differential pressure sensors. Sensirion provides international OEM customers with tailored sensor system solutions for applications such as mass flow controllers, building automation modules, medical technology, and consumer goods. Sensirion customers benefit from intelligent system integration (integrated intelligence including calibration and digital interface) and can achieve cost savings thanks to easy system interfacing (ease of use) and modularity.