

Press Release: Product Announcement

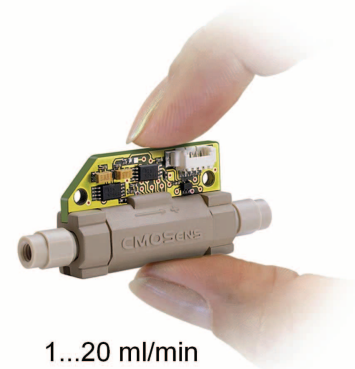
January 2007, Sensirion AG, 8712 Staefa, Switzerland

Liquid Flow: Closing the ml Gap

Reliable, economic measurement solutions for liquid flows in the low milliliter range have been difficult to find in the past. Mechanical solutions such as miniaturized turbines have not lived up to their expectations in many applications, thus leaving a gap.

Switzerland-based Sensirion AG has now closed this flow range gap between reliable low-volume liquid flow meters and modern microsensor solutions for microliters and nanoliters. The new, non-invasive LG216-480 liquid flow sensor with no moving parts covers a flow range of 1 ml/min to 20 ml/min. The product expands the company's existing line of specialized ultra-low flow sensors which cover flow rates as low as some nl/min.

The OEM component is intended to be integrated into applications with large manufacturing volumes in the medical devices and process technology areas. The microchip-based sensor enables media detection and accurate measurement of low liquid flow rates with a response time of 50 ms at pressures up to 20 bar. The media is totally isolated by the wall of a fused silica (glass) channel. A digital sensor chip is mounted on the outside of this flow channel and senses through the wall. The capillary has an inner diameter of approximately 0.5 mm and can be connected to 1/8" and 1/16" OD plastic tubing using standard screw fittings.



1...20 ml/min

Similar solutions for higher flow rates and robust industrial devices will follow.

About Sensirion

Sensirion AG is a rapidly growing high-tech sensor enterprise with headquarters in Staefa near Zurich. The company is a leading international supplier of CMOS-based sensor components and systems. Its range of high-quality products includes humidity and temperature sensors, flow meters and flow controllers for gases and liquids, and differential pressure sensors. Sensirion supports its international OEM customers with tailored sensor system solutions for a wide variety of applications. Among others, they include gas flow regulators, building automation modules, and applications in the medical technology and consumer goods sectors. Sensirion products are distinguished by their use of patented CMOSens® technology. This enables customers to profit from intelligent system integration, including calibration and digital interfaces. This allows considerable cost savings to be achieved thanks to ease of use and modularity.

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