

Press Release: Product announcement

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Precise measurement in the ml range

Sensirion AG (Stäfa, Switzerland) is launching a new flow sensor for flow rates below 100 ml/min. The reliable, inexpensive SLQ-HC60 fills a gap in the existing range of products for precise measurement in the low millimeter range.

Up to now, precise, reliable and inexpensive sensors for measuring flow rates in the low milliliter range in automated systems have been difficult to find. Inexpensive mechanical solutions such as small paddlewheels do not adequately meet the requirements of many applications. Sensirion AG has now filled the gap between sensors for high flow rates and its own line of microsensors for the microliter and nanoliter ranges. The new water resistant flow meter SLQ-HC60 operates without moving parts and grants highest reliability and media compatibility. Flow rates below 100 ml/min can be measured for a wide range of media. Also the detection of bubbles in the microliter range is possible.



The new MEMS-based sensor device is specifically designed for use in automated systems. This small, highly sensitive flowmeter enables precise measurement of dynamic flow rates with a response time of less than 50 ms. The SLQ-HC60 requires a supply voltage of 24 V and provides a 0–10 V analog output signal. Media separation ensures that liquids only get into contact with glass, PEEK™ and Tefzel® during the measuring process. Protection rating is IP65. The simple, straight flow channel of the SLQ-HC60 has an inside diameter of 1.8 mm and can be connected to 1/8" or 3 mm plastic hoses via threaded couplings.

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 tailor-made 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, automotive and consumer goods sectors. Sensirion products are distinguished by their use of patented CMOSens® technology. This enables customers to benefit from intelligent system integration, including calibration and digital interfaces. Ease of use and modularity help customers to keep their costs down considerably. Sensirion's competence as a reliable OEM partner is underlined by its quality management system, which was certified in March 2008 in accordance with the ISO/TS 16949 standard.

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