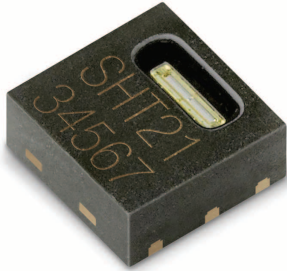


Press Release: Product Announcement

February 2009, Sensirion AG, 8712 Staefa, Switzerland

New generation of digital humidity sensors



New digital humidity sensor SHT21

Sensirion is launching its new generation of humidity and temperature sensors at Sensor+Test 2009. The SHT21 conforms to the current trend of saving space and reducing energy consumption.

The new humidity sensor incorporates the existing strengths of the successful SHT11 while significantly enhancing and improving them. For instance, the SHT21 sensor not only features long-term stability, full calibration and a digital interface, but also supports additional communication modes, including analog modes. In addition, sensor reliability and performance have been boosted by using advanced semiconductor technology.

The QFN components are resin encapsulated to minimize the sensor dimensions. With a 3 x 3-mm footprint and a height of 1.1 mm, the sensor fulfills practical every wish with regard to the compactness of integrated sensors. Encapsulation of the semiconductor chip also provides reliable protection against ambient conditions and thus increases the stability of the sensor. Like the sensors in the SHT1x series, the SHT21 can be processed in a reflow oven. It is correspondingly suitable for use in mass production.

To meet the demands of complex applications, the manufacturing concept has been significantly improved with regard to test routines. Numerous innovations have also been introduced to further improve quality insurance.

The first samples of the new sensor are provisionally expected to be available after Sensor+Test 2009.

About Sensirion

The Swiss sensor manufacturer Sensirion AG is a leading international supplier of CMOS-based sensor components and systems. Its range of high-quality products includes humidity and temperature sensors, mass flow meters and controllers, gas and liquid flow sensors, 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 analytical instruments, consumer goods, and applications in the medical technology, automotive and HVAC 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. 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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