

Press Release: Product Announcement

March 2010, Sensirion AG, 8712 Staefa, Switzerland

World's smallest digital humidity sensor: SHT21

With the new SHT21, Sensirion launches the world's smallest digital humidity and temperature sensor. The SHT21 consists of a newly designed, sophisticated sensor chip encapsulated in a 3x3x1.1-mm DFN 3-0 package. Over-molding provides excellent protection against aging and ambient impact, such as condensation and harsh environments, and thus yields outstanding long-term stability.

The SHT21 is fully calibrated and provides an I²C digital interface. Analog output modes (such as PWM) are available on request. The digital communication mode enables superb low power consumption: A value in the range of 3 μ W at normal operation is well achieved. Typical sensor accuracy is $\pm 2\%$ RH over 20–80% RH and ± 0.3 °C over 25–42 °C. Provided on tape & reel, the reflow solderable SHT21 is suitable for high volume applications. Furthermore, the sensor is qualified in accordance with automotive standard AEC-Q100 and an extended quality assurance program guarantees low PPM values.

Free samples of the humidity and temperature sensor can be ordered at www.sensirion.com/mysh21. Start of production is scheduled for April 2010.



SHT21 – size that inspires!

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.

Contact: www.sensirion.com, info@sensirion.com, Tel. +41 44 306 40 00, Fax +41 44 306 40 30