

Press Release: Individuality and efficiency in clothes drying

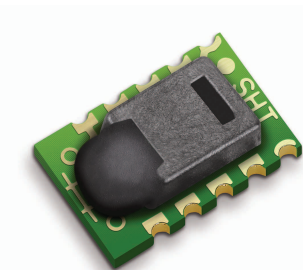
May 2008, Sensirion AG, 8712 Staefa, Switzerland

Integrated humidity and temperature sensors in clothes dryers

Summary

The residual moisture content of laundry can be determined using the humidity and temperature sensors made by Sensirion AG. This enables personalized drying programs and a reduction in energy consumption.

Full text



Feuchte- und Temperatursensor
SHT1x von Sensirion

Two market trends can currently be seen with regard to clothes drying. The first is a demand for personalized drying programs, while the other is the desire to reduce energy consumption. The Swiss sensor manufacturer Sensirion recommends using its combined humidity and temperature sensors for this purpose. As measurements have shown, these sensors allow better monitoring of drying cycles and thus precise, optimized control of the drying process. As a result, the efficiency of the process can be increased and the energy consumption can be reduced.

The high temperatures and relative humidity levels in clothes dryers impose severe demands on the sensors. Tests have shown that Sensirion's combined humidity and temperature sensors are robust and reliable and have good long-term stability, all thanks to their patented electrode structure. Sensirion underpins this with its proven CMOSens® technology. It features an impressive level of intelligent system integration, including calibration and a digital interface. Combining the sensor element and signal conditioning functions on a single chip enables Sensirion to offer a good price/performance ratio in addition to outstanding quality.

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, automotive 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. As a sign of Sensirion's competence as a reliable OEM partner, the quality management system was certified in March 2008 in accordance with the ISO/TS 16949 standard.

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