

IDT Adds Humidity Sensors to Its Growing Portfolio of Industry-Leading Environmental Sensor Solutions

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IDT's Relative Humidity Sensors Provide Industry-Leading Accuracy and Response Times, Improving System Performance and Minimizing Power Requirements

SAN JOSE, Calif., Nov. 20, 2017 /PRNewswire/ -- Integrated Device Technology, Inc. (IDT) (NASDAQ: IDTI) announced today the addition of a family of relative humidity (RH) sensor ICs to its fast-growing portfolio of advanced sensor products. IDT's humidity sensors offer high accuracy with the fastest measurement response time of comparable devices currently on the market.

IDT Logo (PRNewsFoto/Integrated Device Technology, I)

The IDT® HS300x family of [relative humidity sensors](#) feature a $\pm 1.5\%$ RH accuracy and six-second response time (rated over a 20% to 80% RH range in still air and does not require airflow). Since humidity sensors consume the most power when they are taking a measurement, the fast response time to a stable measurement reduces the amount of sampling needed. This is especially important for battery-powered applications, where lower power consumption equates to longer battery life.

In addition to high-accuracy and fast response times, the HS300x family features excellent long-term stability of 0.1% RH per year as a result of a robust silicon carbide construction and an innovative design. This improves useful lifetime and lowers its effective cost. IDT's humidity sensors are ideal for a wide range of applications, including measurement of water vapor content in medical oxygen, measurement of humidity in appliances such as refrigerators, as well as monitoring the humidity of air in industrial processes, climate control systems (HVAC), weather stations, and portable personal health devices.

"We're excited to add high-performance humidity sensors to our portfolio of industry-leading sensor products," said Sailesh Chittipeddi, executive vice president global operations and chief technology officer at IDT. "IDT's humidity sensors can be used alone or integrated with IDT's gas and flow sensors to provide a complete environmental sensing solution. These products each provide a compelling value proposition that, when coupled with IDT's long-standing reputation for quality and support, make IDT's products the preferred solution for many industrial, medical, and automotive applications."

The HS300x family consists of four devices – the [HS3001](#), [HS3002](#), [HS3003](#), and [HS3004](#) offering RH measurement accuracy of $\pm 1.5\%$, $\pm 1.8\%$, $\pm 2.8\%$ and $\pm 3.8\%$, respectively. All devices feature an extremely low 1uA quiescent current for additional power savings, and an extra wide 5% to 95% sensing range for more precise control at the humidity extremes. The devices are offered in a compact 3.0 x 2.4 x 0.8 mm LGA package. The HS300x devices and evaluation boards are available now.

About IDT

Integrated Device Technology, Inc. develops system-level solutions that optimize its customers' applications. IDT's market-leading products in RF, high performance timing, memory interface, real-time interconnect, optical interconnect, wireless power, and smart sensors are among the company's broad array of complete mixed-signal solutions for the communications, computing, consumer, automotive and industrial segments. Headquartered in San Jose, Calif., IDT has design, manufacturing, sales facilities and distribution partners throughout the world. IDT stock is traded on the NASDAQ Global Select Stock Market® under the symbol "IDTI." Additional information about IDT can be found at www.IDT.com. Follow IDT on [Facebook](#), [LinkedIn](#), [Twitter](#), and YouTube.

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