

AppliedSensor to Exhibit Hydrogen Sensor Modules at Sensor + Test 2010 Rapid Detection of Gas Leaks Supports Continued Development of Future Hydrogen Economy

Warren, New Jersey – May 05, 2010 – [AppliedSensor](#), a designer and manufacturer of chemical sensor components and intelligent indoor air quality (iAQ) modules, announced today that they will introduce the [HLS-440P](#) and [HPS-100](#) hydrogen sensor modules at [Sensor + Test 2010](#), May 18-20 in Nurnberg Germany in Hall 12, Stand 331. Both sensors were designed for implementation in fuel cell systems or other in-process applications. The use of Field Effect (FE) Technology ensures that the modules are fast responding and highly sensitive to the presence of hydrogen gas leaks, with no cross detection towards HC, H₂S, H₂, CO, CO₂ or NO_x. Integration of either of these hydrogen sensors will enable manufactures and designers of hybrid vehicles to continue using hydrogen as an alternative fuel source.

“The U.S. and E.U. have invested billions to accelerate the development of hydrogen as an alternative fuel source. We can contribute to this future hydrogen economy by providing product designers and users with a highly sensitive module for detecting hydrogen gas leaks,” said AppliedSensor, Inc. CEO [Tom Aiken](#). “Hydrogen must be kept to concentration levels of less than four percent in ambient air and our sensors detect even the slightest fluctuation.”

With an IP6K9 rating and designed towards Atex Zone 2, both the HLS-440P and HPS-100 can be installed virtually anywhere. The selective FE Technology process of the hydrogen sensors is based on the work-function change of the gate layer shown by Metal-Oxide-Semiconductor FE transistor (MOSFET) devices when exposed to a test gas. For more information about AppliedSensor’s hydrogen sensing developments and the future of hydrogen fuel, please visit: http://appliedsensor.com/applications/hydrogen_gas_sensing.html.

In addition to the two hydrogen modules, AppliedSensor will also be exhibiting its new [Indoor Air Monitor](#) and [iAQ-2000 Professional HVAC Air Quality Sensor](#) at Sensor + Test 2010.

Free tickets for Sensor + Test 2010 are available at:

German <http://www.sensor-test.de/service/sensorticket.php?Fid=50667>

English <http://www.sensor-test.de/service/sensorticket.php?Fid=50667&Spr=en>

About AppliedSensor

Relying on 25 years of research and development, AppliedSensor designs and manufactures chemical sensor systems for a broad range of applications, including indoor air quality (IAQ) monitors, in-cabin air quality monitors for BMW Sport Utility Vehicles and Hydrogen Leak Sensors for fuel cell vehicles. The company operates three facilities worldwide: AppliedSensor, Inc. in Warren, New Jersey; AppliedSensor Sweden AB in Linköping, Sweden; and AppliedSensor GmbH in Reutlingen, Germany. Additional information is available at www.appliedsensor.com.

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