

ClearSkies News



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SEMTECH ECOSTAR Meets Highest Standard

TÜV Nord Mobilität GmbH & Co. KG issued its certificate of approval for Sensors, Inc.'s SEMTECH ECOSTAR gaseous portable emissions measurement system (PEMS) in March, 2013. The certificate confirms that ECOSTAR meets UN-ECE.R49, Supplement 02-05 series of amendments and Commission Regulation (EU) No 582/2011 of 25 May 2011, which is the most demanding test and evaluation of measurement instrumentation for engines and vehicles world-wide.

Today's PEMS are being judged by the same high standards for performance as laboratory instruments. Meeting these standards has become essential as PEMS become an increasingly critical part of the engine design, development and certification process. PEMS has become more than a research or in-use compliance tool.

ECOSTAR is the fourth generation of PEMS developed, marketed and sold by Sensors, Inc. under the SEMTECH family of products. It was designed to meet the most stringent requirements for analytical instrumentation known, including CFR 40, Part 1065, Subparts D and J, as well as UN-ECE.R-49, while introducing a modular approach. This provides the customer with flexibility in how the system is configured, meeting specific requirements for a wide range of applications. There have also been significant reductions in size, weight and power from previous generations of SEMTECH, greatly enhancing its ease of installation and use.



ECOSTAR in a LDV

Sensors, Inc. enters into Agreement with Pegasor, Oy

Sensors, Inc. entered into an agreement with Pegasor, Oy, of Tampere, Finland to add the PEGASOR PPS-M to its SEMTECH ECOSTAR line of real-world emission analyzers. The PPS-M core technology has been integrated into an ECOSTAR module designated the Continuous Particle Monitor (CPM) and is now being delivered to customers throughout the world.

The CPM employs a novel technique for real-time, continuous and highly sensitive measurement of raw exhaust Particulate Matter (PM) emissions. The system's unique flow-through design provides for rapid, continuous PM measurements over a wide range of temperatures. The device accurately measures active particle surface area, and can be easily calibrated to either particle mass or number.

The SEMTECH ECOSTAR CPM offers a number of advantages that distinguish it in this market. There is no cross sensitivity to NO_x, and it measures complete PM, which is a combination of non-volatile organics as well as black carbon. It also has a much faster response rate, 0.2s, than other concentration-based systems. Finally, its reliability and robustness have been enhanced by Sensors' development team to make it suitable for real-world applications as well as laboratory use.



The addition of this real-time device enables Sensors to offer a complete solution to regulatory requirements promulgated throughout the world. This is especially important in Europe, which is in the midst of implementing regulations requiring the measurement of particle number, and in Asia, where real-world testing is becoming increasingly important.

Don Soenen named President and CEO of Sensors, Inc.



Don Soenen was recently named President and CEO of Sensors, Inc. Don has been involved with the company in a variety of capacities over the past 33 years, including most recently as Chairman of the Board. His knowledge of the industry we serve as well as his leadership skills bode well for Sensors, Inc.'s future.

We welcome Don back.

Teresa Bross appointed Sales Administrator

Teresa Bross has assumed the duties of Sales Administrator. Teresa has been with Sensors, Inc. for over ten years, most recently as Human Resources Manager. In the past, she has also worked closely with the Sales Department, and is very familiar with the company's customers, products and procedures. We are pleased to introduce Teresa to the industry.

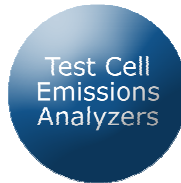


[Automotive Testing Expo Europe 2013](#)

June 4 - 6, 2013
Stuttgart, Germany
Booth# 1502

SEMTECH User Network (SUN) Conference
September 24 - 25, 2013
Düsseldorf, Germany

This annual conference brings regulatory agencies and engine manufacturers together to discuss the latest developments in emissions regulations and testing.



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