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Press Release

Sensors, Inc. Announces New Product Line, the SEMTECH ECOSTAR Saline, MI - March 21, 2011-

Sensors, Inc., the leading manufacturer of in-use emissions test equipment, announces the launch of an all-new, full suite of modular gaseous and particulate measurement devices that meet world-wide laboratory-grade requirements.

SEMTECH ECOSTAR

Building on over forty years of experience in gas and exhaust flow measurement and as the world's pre-eminent PEMS equipment supplier, Sensors has developed the all new SEMTECH ECOSTAR product line. This rugged, compact and portable suite of gaseous and particulate measurement devices meets world-wide laboratory grade performance requirements, enabling its use in both test cell and on-vehicle applications.

The SEMTECH ECOSTAR product suite comprises a range of individual, self-contained modules, each with a specific functionality, which may be operated as stand-alone analytical devices or as part of a fully integrated measurement system. Each module has been designed to maintain its high-grade analytical performance while operating under extreme testing environments with minimal space, weight and energy requirements. This powerful design approach offers optimum flexibility, performance and ease of use in multiple real-world applications and under harsh testing conditions. Whether used in the test-cell or in the field, SEMTECH ECOSTAR, the fourth generation PEMS system from Sensors, represents today's best available commercial technology.

Quick Links [Sensors' Website](#)

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SEMTECH ECOSTAR

The modules comprise the following:

SEMTECH-FEM: Measures CO, CO₂, using NDIR technology, combined with exhaust flow, and provides real-time fuel economy data.

SEMTECH-NOx: Measures NO and NO₂ separately and simultaneously using NDUV technology.

SEMTECH-FID: Measures THC using flame ionization detection.

SEMTECH-MPS: Provides micro-proportional dilution for PM analysis.

SEMTECH-PFS: Measures particulate matter using the traditional gravimetric method with a patent-pending, compact, filter-holder design.

SEMTECH-PDM: A Lithium-Ion battery pack designed to power the SEMTECH ECOSTAR modules.

Sensors first marketed a Portable Emissions Measurement System (PEMS) in 2001 with the introduction of the SEMTECH-D/G. Sensors has incorporated the knowledge of a decade of in-use testing into every design detail of the SEMTECH ECOSTAR system. From rugged, user-friendly connectors, to integrated cable management, and direct sample paths from one module to the next, the system has been optimized for ease of use every step of the way.

The SEMTECH ECOSTAR system meets or exceeds the gaseous and particulate emissions measurement criteria of worldwide regulatory agencies, including the US Environmental Protection Agency and the European Joint Research Commission.

About Sensors, Inc.

[Sensors Inc.](#) was founded in 1969, and has evolved to become the leader in developing innovative gas analysis technology, primarily for use in the transportation industry. The company has decades of experience and expertise in the design and manufacture of measurement systems that are widely distributed throughout the U.S., Europe and Asia. Sensors, Inc. also provides in-field emissions and fuel-economy testing services covering a wide range of applications including, on- and off-road vehicles and equipment, and marine, mining, and power generation systems using internal combustion engines. In 1999, Sensors Inc. acquired Sensors Devices in Germany, ensuring a presence in Europe and expanding its product base to include analyzers for environmental applications. The company's emissions measurement solutions are used by government regulatory agencies and universities, as well as engine and vehicle manufacturers in the U.S., Europe and Asia, for the measurement of CO, CO₂, NO, NO₂, THC, NMHC, CH₄, NH₃, O₂ and Particulate Mass.

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