

Sensoror launches high performance MEMS gyro sensor, SAR100, enabling applications in harsh environments that require high bias stability

[SAR100](#) is Sensoror Technologies' newest high performance gyro sensor, designed for demanding applications in the Aerospace, Defense, Energy, Instrumentation and Industrial markets. Based on inherently rugged MEMS technology, it features bias stability of 50°/h. It is offered in an LCC ceramic package and can withstand high shocks of up to 5000g without performance degradation. SAR100 is offered in two ranges 100°/s and 250°/s. (optional 2000°/s). SAR100 is interfaced with closed loop electronics based on forced feedback operation; featuring a fully digital output signal available through an SPI interface. It includes a self-test mechanism ensuring optimum performance. Placed in a hermetically-sealed ceramic LCC package for horizontal and vertical mount that is ideal for application in harsh environments, the SAR100 gyro sensor combines the latest technological advances in MEMS technology together with high performance closed-loop electronic interface.

"SAR100 is an ITAR-free high performance gyro ideal for a number of applications at a cost effective price and we are very excited to provide this solution to our customers, thereby ensuring continuity of supply," commented Carsten Fongen, Sales Manager at Sensoror Technologies. "MEMS has enabled a large number of applications in the automotive and consumer markets by providing cost effective disruptive solutions. This same technology is now entering into the high-added value, high performance markets such as Mil/Aerospace, promising displacement of the current expensive, fragile technologies" continued Fongen.

For full product brief and datasheet, please visit: <http://www.sensoror.com/gyro-products/gyro-sensors/high-performance/sar100.aspx>

About Sensoror Technologies AS

[Sensoror Technologies](#) is a global leader in MEMS technology, designing and manufacturing advanced, integrated pressure- and gyro-sensors for high-precision applications. Sensoror has 30 years experience developing and manufacturing reliable MEMS sensor solutions for harsh environments involving high vibration, high shock and difficult media. After pioneering the introduction of MEMS accelerometers to the automotive market, Sensoror also became the leading supplier of tire pressure monitoring systems. Today, Sensoror provides enabling solutions to its valued customers in the aerospace, industrial, medical, and defense markets.

About MEMS Technology

Micro-Electro-Mechanical Systems (MEMS) is the integration of mechanical elements, sensors, actuators, and electronics on a common silicon substrate through micro-fabrication technology, enabling the creation of highly miniaturized devices. MEMS-based sensor products provide an interface that can sense, process and/or control the surrounding environment.

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