

Press release,
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Sensoror launches new high-accuracy tactical grade IMU

The new high-accuracy tactical-grade STIM318 Inertial Measurement Unit (IMU) from Sensoror provides greatly increased accelerometer performance to support demanding guidance and navigation applications. Its performance can in many applications competitively replace fiber-optic gyros (FOGs). Offering improved system performance with respect to robustness, reliability, size, weight, power and cost, it is designed for use in autonomous machine control, UAV payloads, satellites, portable target acquisition systems, land navigations systems, turret stabilization, missile stability and navigation, and mortar aiming systems.

STIM318 is comprised of 3 highly accurate MEMS gyros, 3 high stability accelerometers and 3 inclinometers. Its development took place in close cooperation with a global lead-customer, developing autonomous machine control for accurate contour guidance. The IMU is built on the established STIM design that is field-proven in commercial and military applications.

An ITAR-free product, STIM318 is available in export controlled and non-export controlled versions. It is compatible with Sensoror's STIM300 IMU, and can bring additional capability to applications already using STIM300. STIM318 is available from stock.

In addition to the performance increase, STIM318 comes with a new Bias Trim Offset (BTO) function. This allows the user to individually zero out any bias of all 9 axes. The bias offset can be stored in flash, and then recalled at next system startup.

About Sensoror AS

Sensoror designs and manufactures advanced tactical grade gyro sensors, gyro modules and IMUs for high-precision applications. Sensoror operate its own MEMS manufacturing facility and has more than 30 years of experience in developing and manufacturing reliable MEMS sensor solutions for the most demanding and dynamic application environments in the world.

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