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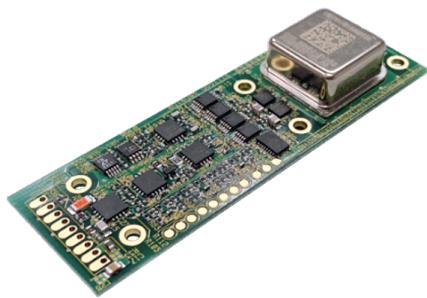
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CRS39A



Ultra-high-stability MEMS Gyro

A new version of our high-performance gyro suitable for downhole surveying, precision platform stabilisation, ship stabilisation, guidance and control, autonomous vehicles and high-end AHRS.

CRS39A provides the optimum solution for applications where bias instability, angle random walk and low noise are of critical importance.

At the heart of the CRS39A is Silicon Sensing's VSG3QMAX vibrating ring MEMS sensor which is at the pinnacle of 15 years of design evolution and the latest of a line which has produced over 30 million high integrity MEMS inertial sensors. The VSG3QMAX gyro sensor is combined with precision discrete electronics to achieve high stability and low noise, making the CRS39A a viable alternative to Fibre-Optic Gyros (FOG) and Dynamically Tuned Gyros (DTG). This latest model incorporates all-new drive electronics and improvements to the sensor head - enabling enhanced performance.

CRS39A has been designed for mounting within a 25mm inside diameter cylinder and is reduced to one PCB compared with the preceding CRS39 gyro. Two on board temperature sensors and the resonant frequency of the MEMS enable additional external conditioning to be applied to the CRS39A by the host, enhancing the performance even further.

