

Fizoptika Malta TO SHOWCASE ITS MOST MINIATURE FIBER OPTIC GYROSCOPES

AT SENSOR+TEST 2024

Mosta, Malta (EU), April 11, 2024 - Fizoptika Malta will be showcasing its most miniature fiber optic gyroscopes (FOGs) at Sensor+Test 2024 (June 11-13, Nuremberg, Germany, [Stand #1-153](#)).

The [fiber optic gyroscope VG191A](#) offers low noise performance in the all-time smallest cylinder package. This FOG sensor delivers 0.015°/vh ARW and a bias stability of 2°/h in a thumb-sized unit measuring Ø24x40mm.

In the [fiber optic gyros VG191AD](#) a thumb-sized form-factor (Ø24x48mm) is combined with a RS422 digital output. It sends 24-bit data with 8 kHz rate (921.6 kBd). These inertial products offer 0.012°/vh ARW and a bias stability of 1°/h.

The [VG221](#) is a record-breaking fiber optic gyroscope, measuring just Ø33x12mm, weighing 15gr, and consuming 0.3W. It features 0.05°/vh ARW and a bias stability of 1°/h. The low noise performance variant [VG221LN](#) provides lower ARW of 0.025°/vh.

The [fiber optic gyro VG1703SPE](#) is another sensor offering a combination of a very small (Ø40x12mm), lightweight (18 gr) design and super low power consumption of 0.25W. It features low noise performance with 0.025°/vh ARW and a bias stability of 1°/h.

These inertial sensors are designed to suit various space- and layout-limited applications in all forms of autonomous and unmanned platforms. They are widely used for gimbal / camera stabilization, pipeline inspection, underground utility mapping and borehole surveying.

Fizoptika Malta is a manufacturer of the smallest fiber optic gyroscopes (FOGs) and FOG-based inertial measurement units (FOG IMUs) with 35 years of industrial experience and over 190,000 units supplied worldwide.

For more information, please visit <https://fizoptika.com/>.

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