

ITAR-free

**NEDAERO FIBER OPTIC RATE SENSORS**

**NEDAERO FIBER OPTIC PROGRAM**

Early 2018 NEDAERO has validated its Fiber Optic Gyro sensor for the aerospace industry. The FOG60 model has been successfully certified for a commercial airline program, and is now in series production. NEDAERO FOGs are 100% European products whereby all materials are purchased from European suppliers.

**KEY FEATURES AND BENEFITS**

- ⊕ Fiber optic technology without moving parts
- ⊕ High reliability
- ⊕ Forceful design
- ⊕ Analogue voltage output and Build-In-Test functionality
- ⊕ Robust metal housing
- ⊕ Temperature output for compensation

**FIBER OPTIC RATE SENSOR FOG**

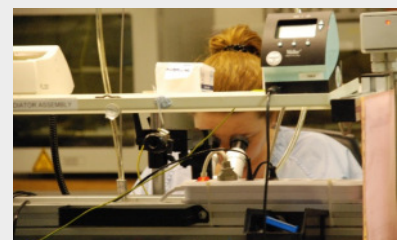
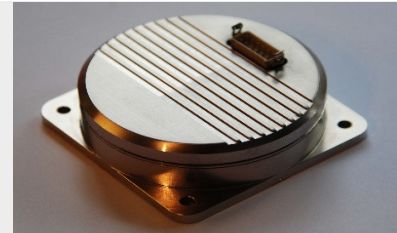
The NEDAERO Fiber Optic Rate Sensor FOG is a small palm of the hand-sized rate sensor. It provides turn rate for one rotational axis. The modular design allows a cost-effective realization of single or multiple sensing axis units.

**TECHNICAL DATA AND SPECIFICATIONS NEDAERO RATE SENSOR**

	<b>FOG60</b>	<b>FOG70</b>	<b>FOG80N</b>
Measuring range	± 300 °/sec	± 300 °/sec	± 300 °/sec
Bias stability	≤ 1 °/hr	≤ 0.5 °/hr	≤ 0.2 °/hr
Dimensions	60 x 60 x 19.5 mm	60 x 60 x 19.5 mm	60 x 60 x 19.5 mm
Weight	85 g	85 g	90 g
Operating temperature range	-40 °C to +70 °C	-40 °C to +70 °C	-40 °C to +70 °C

**INERTIAL MEASUREMENT UNIT (future development)**

For the near future (2021) we are working on the development of an IMU (Inertial Measurement Unit).



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