

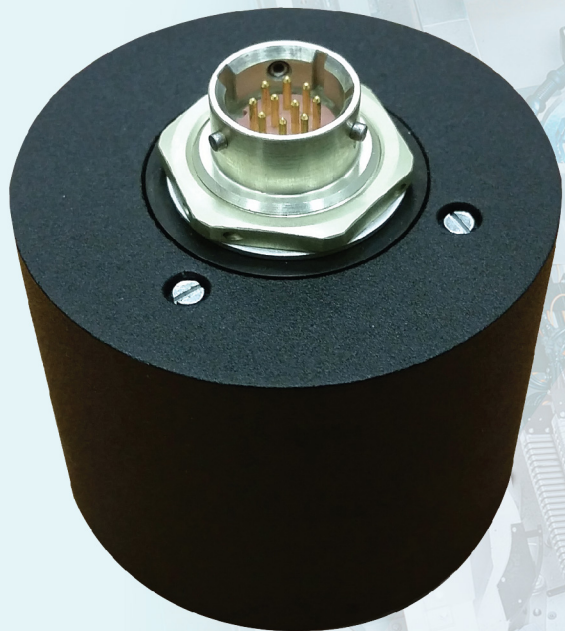
INERTIAL MEASURING UNIT

IMU



IS DESIGNED

to generate data on angular rates and accelerations of mobile objects



SPECIFICATIONS:

- Automobile transport
- Unmanned aerial vehicles
- Small crafts
- Robotic engineering
- Inertial support of GNSS receivers
- Sea buoys

SPECIFICATIONS:

Gyros

Measurement range	450 °/s
Noise power density	<0.01 °/s/√Hz
Bias stability error (by Allan variance)	<10 °/h
Bandwidth	100 Hz

Accelerometers

Measurement range	10g
Noise power density	<0.005 g/√Hz
Bias stability error (by Allan variance)	<0,001g
Bandwidth	100 Hz

General

Number of axes	3
Nonorthogonality of axes	< 3 arc min
Overall dimensions	Ø64,0×65 mm
Operating temperature range	-55... +60 °C
Supply voltage, unipolar	+27 V
Readiness time	<30 s
Power consumption	<5 W
Output waveform	RS232
Data output rate	100 Hz

