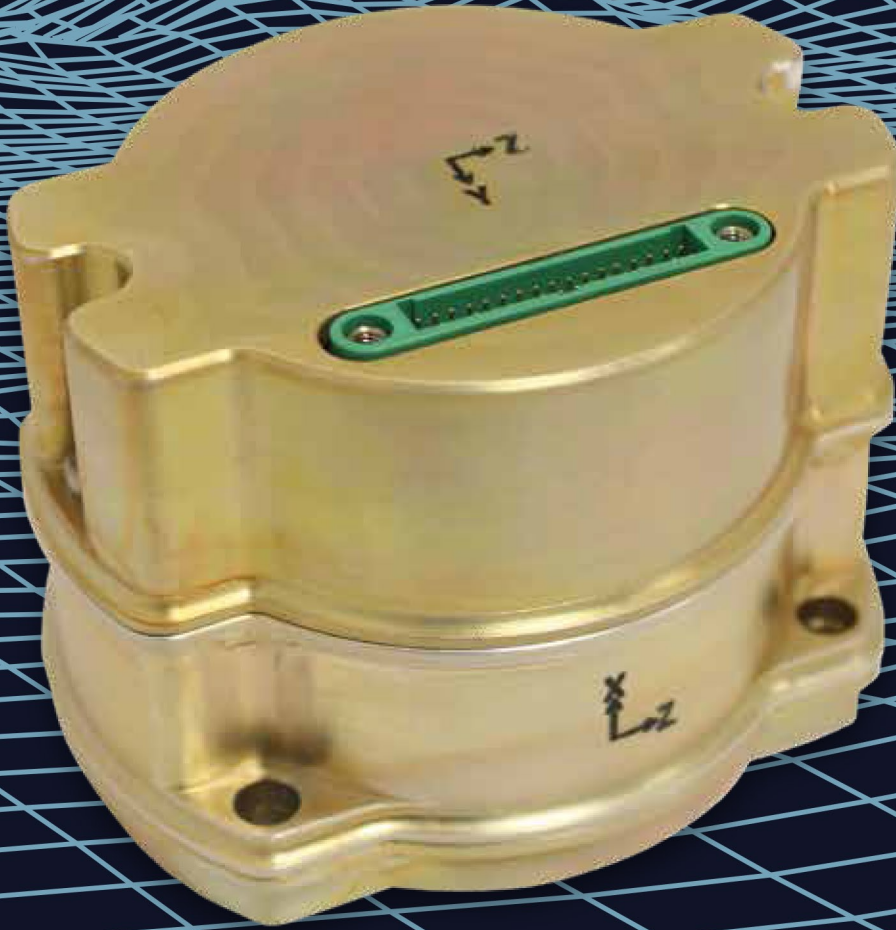


IMU-S3

INERTIAL MEASUREMENT UNIT



IMU-S3

IMU-S3 is a cost-effective tactical Micro-Electromechanical System (MEMS) Inertial Measurement Unit designed to meet applicable guidance requirements.

MEMS sensors, temperature sensors and advanced electronics are integrated and housed in a compact and robust body that withstands harsh environmental conditions. The sophisticated compensation and navigation algorithms built into IMU-S3 delivers excellent performance.

IMU-S3 is specifically designed with mechanical and electrical interfaces that allow simple and easy integration with a variety of systems for high customisation capabilities. It can host navigation software and directly interface with external Navigation Aiding Sensors such as Global Positioning System and Magnetometer.



TECHNICAL SPECIFICATIONS

General		
	Dimensions (L x W x H)	5.5 cm x 4.4 cm x 4.8 cm
	Volume	<150 cm ³
	Weight	180 g
	Power	< 1.6 amp @ 5V
	Temperature (operating)	-40 °C to 70 °C
	Temperature (storage)	-40 °C to 85 °C
	Gyro Operating Range	±110 °/sec
	Gyro Scale Factor	1000 ppm (1σ)
	Gyro Drift stability	0.5 °/hr
	Angular Random Walk	0.2 °/√hr (1σ)
	Accelerometer Operating Range	±10 g
	Accelerometer Scale Factor	1000 ppm (1σ)
	Accelerometer Bias stability	0.2 mg (1σ)

Note: Specifications are subject to change by the manufacturer without prior notice.