

**GLOBAL NAVIGATION SATELLITE SYSTEM RECEIVER**

**Performance Specifications**

Channel Configuration GPS L1 C/A, GLONASS L1, GALILEO E1

Position Accuracy [3D] ≤ 10 m [RMS]

**Dynamic Range**

Velocity ≥ 1.400 m/sec

Altitude ≥ 40.000

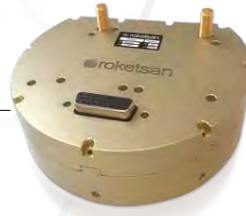
**Mechanical Specifications**

Dimensions Ø 108 mm x 38 mm

Weight 340

**Environmental Specifications**

COMPATIBLE WITH MIL-STD-810G AND MIL-STD-461F STANDARDS



**TurNa-TK TACTICAL GRADE FOG INERTIAL MEASUREMENT UNIT**

Sensor	MEMS* Accelerometer <sup>2</sup>	Fiber Optic Gyroscope <sup>3</sup>
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**Performance Specifications**

Measurement Range ± 60      ± 490°/sn

Residual Bias Error [1σ] < 1 mg      < 1 °/sa

**Mechanical Specifications**

Dimensions Ø 127 mm x 79 mm

Weight 1.3 KG

**Environmental Specifications**

COMPATIBLE WITH MIL-STD-810G AND MIL-STD-461F STANDARDS

(1) IEEE-528-2001 - (2) IEEE-1293-1998 - (3) IEEE-952-1997



**TurNa-TM TACTICAL GRADE FOG INERTIAL MEASUREMENT UNIT**

Sensor	MEMS* Accelerometer <sup>2</sup>	Fiber Optik Dönüölçer [FOD] <sup>3</sup>
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**Performance Specifications**

Measurement Range ± 10 g a  
± 30 g b      ± 490°/sec

Residual Bias Error [1σ] < 0,33 mg a  
< 0,66 mg b      < 1 °/hr

**Mechanical Specifications**

Dimensions Ø 127 mm x 79 mm

Weight 1.3 kg

**Environmental Specifications**

COMPATIBLE WITH MIL-STD-810G AND MIL-STD-461F STANDARDS

(1) IEEE-528-2001 - (2) IEEE-1293-1998 - (3) IEEE-952-1997

(a.b) TurNa-TM Performance Specifications in Different Axes

\*MEMS Micro Electro Mechanical Systems



**TurNa-N NAVIGATION GRADE FOG INERTIAL MEASUREMENT UNIT**

Sensor	Quartz Pendulum Accelerometer <sup>2</sup>	Fiber Optic Gyroscope <sup>3</sup>
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**Performance Specifications**

Measurement Range ± 30 g      ± 250°/sec

Residual Bias Error [1σ] < 50 µg      < 0,04 °/hr

**Mechanical Specifications**

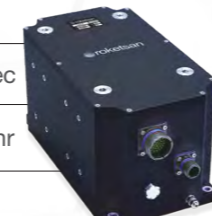
Dimensions 286 mm x 160 mm x 160 mm

Weight < 9,4 kg

**Environmental Specifications**

COMPATIBLE WITH MIL-STD-810G AND MIL-STD-461E STANDARDS

(1) IEEE-528-2001 - (2) IEEE-1293-1998 - (3) IEEE-952-1997



**RNU-100M NAVIGATION GRADE INERTIAL MEASUREMENT UNIT**

Sensor	Quartz Pendulum Accelerometer <sup>2</sup>	Ring Laser Gyroscope [RLG] <sup>3</sup>
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**Performance Specifications**

Measurement Range ± 22 g      ± 400°/sec

Residual Bias Error [1σ] < 25 µg      < 0,04 °/hr

**Mechanical Specifications**

Dimensions 315 mm x 420 mm x 240 mm

Weight 22 kg

**Environmental Specifications**

COMPATIBLE WITH MIL-STD-810G ve MIL-STD-461F STANDARDS

(1) IEEE-528-2001 - (2) IEEE-1293-1998 - (3) IEEE-647-200



**ALBATROS MODULAR INTEGRATED NAVIGATION SYSTEM**

Horizontal & Vertical Positioning Accuracy	Horizontal Position	Vertical Position [PE]
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Inertial + GNSS\* ≤ 10 m      ≤ 10 m

Inertial Only [Land Application] ≤ 0,5 nm / hr      ≤ 0,5 nm / hr

Inertial Only ≤ 10 nm / hr      ≤ 10 nm / hr

**Mechanical Specifications**

Dimensions 210 mm x 210 mm x 165 mm

Weight < 4,7 kg

**Environmental Specifications**

Compatible with MIL-PRF-71185A [AR], MIL-STD-810G and MIL-STD-461E standards.

\*GNSS Global Navigation Satellite System

\*GNSS Global Navigation Satellite System



**RAL2000 NAVIGATION GRADE RLG INERTIAL MEASUREMENT UNIT**

Sensor	Quartz Pendulum Accelerometer	Ring Laser Gyroscope [FOD] <sup>3</sup>
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**Performance Specifications**

Measurement Range ± 22 g      ± 400°/sec

Residual Bias Error [1σ] < 25 µg      < 0,04 °/hr

**Mechanical Specifications**

Dimensions 265 mm x 255 mm x 230 mm

Weight < 16 kg

**Environmental Specifications**

COMPATIBLE WITH MIL-STD-810G AND MIL-STD-461E STANDARDS

(1) IEEE-528-2001 - (2) IEEE-1293-1998 - (3) IEEE-647-2006



**STAR TRACKER NAVIGATION SYSTEM**

Orientation Accuracy < 40 arc - sec

Data Speed < 10 Hz

First Orientation < 10 sec

Learning Time < 10 sec

Minimum Altitude<sup>1</sup> > 40 km

Weight < 5 kg

Operating Temperature -40 / +70 C\*



**(1)** Refers to the approximate minimum altitude at which the system is required to operate in daytime.