Condor Pacific

MLN

MEMS Land Navigator

MLN is a low cost MEMS based Land Navigator with autonomous, Inertial, North Seeking. Ideal for any vehicle in GNSS deprived environments, MLN is a small light weight system designed for best cost to performance ratio.

Highlights

Parameter	Value	Units
Heading Alignment, Static, +/-15 deg pitch, roll	<10	mRad
Position Accuracy, typical	1	%
Position Accuracy of distance travelled, 2 hours from initial north	2	%
Position Accuracy, of distance travelled, closed loop	0.5	%
Operational ready time, Stored Heading	3	sec
Operational ready time, no stored heading	300	Sec
Heading Drift, Static	0.1	Deg/h
Heading Drift, Dynamic	<1	Deg/h
Pitch, Roll accuracy, RMS up to 15 degrees, Static	0.1	Deg
Pitch, Roll accuracy, RMS, > 15 degrees	1	Deg

All parameters in table are Max.

Low cost

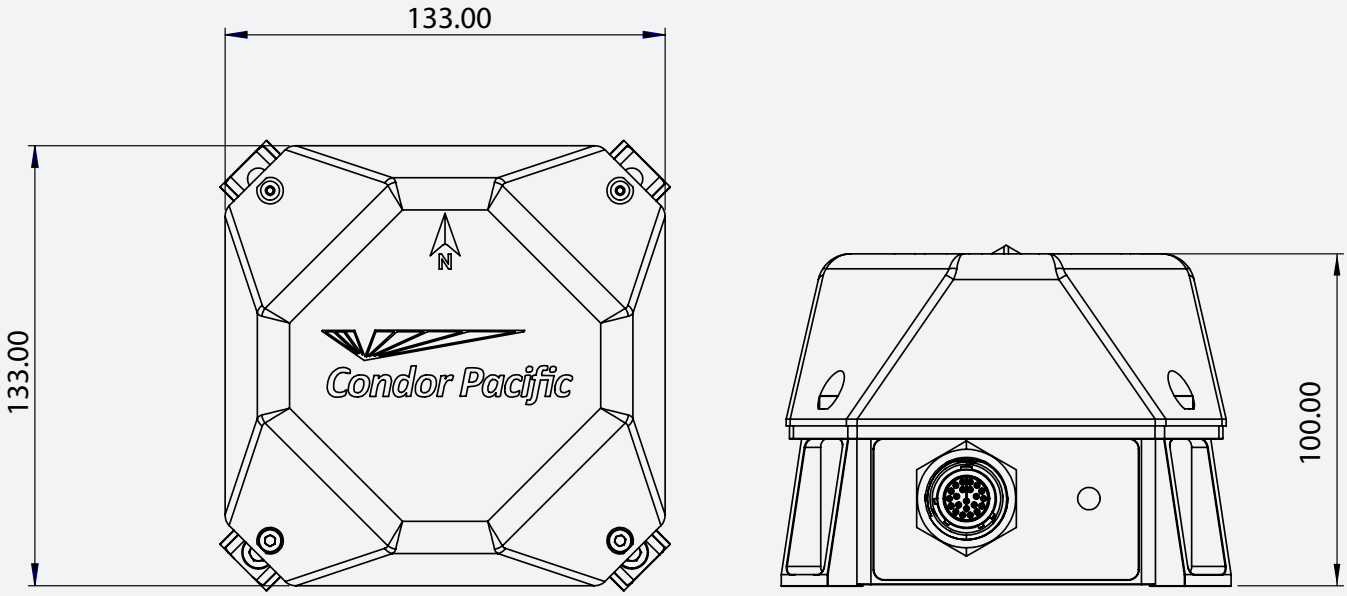
An optimal cost/performance ratio, MLN is a revolution in low cost inertial navigation for land Vehicles.

Inertial navigation

Full Inertial navigation and North Seeking (indexing mechanism), Odometer assistance.

Special features

Automatic move/stop/North Seek switching, MIL Std 1275 Battery input.



Condor Pacific maintains decades of expertise and experience in developing and manufacturing a wide range of high-quality gyroscopes and inertial systems for the defense sector. Leveraging a seasoned team of management, R&D, production and quality assurance experts, Condor Pacific possesses the know-how to meet the most stringent customer requirements.

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