

C I E L O

PRECISELY ON YOUR TARGET



TERRA INS FAMILY

HIGH ACCURACY LAND NAVIGATION SYSTEM



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The Terra Family of Land Inertial Navigation Systems (INS) employs the latest closed-loop Fiber Optic Gyro (FOG) technology, providing fast, high precision, autonomous navigation.

Cielo's Terra INS systems are ITAR-free, deliver heading and pointing accuracy in GNSS denied environments and meet military standards (MIL-STD 810, MIL-STD 461, MIL-STD-1275). The Terra INS Family also has very high MTBF and requires no periodic maintenance.

- **Providing high performance in the GPS-denied battlefield**
- **Pure Inertial gyrocompassing**
- **Cost effective solution for land platforms**



PARAMETER		GRADE 5	GRADE 10	GRADE 100
PERFORMANCE	Heading Accuracy (sec (lat))	≤8-17 mils (grade dependent)	≤5-10 mils (grade dependent)	≤1-5 mils (grade dependent)
	Position	≤1%DT	≤0.5%DT	≤0.25%DT
INTERFACE		RS422/RS232		
		Ethernet		
		Other optional interfaces		
FEATURES		Supports both static and on-the-move alignment		
		ITAR free		
		Supports turret and weapon station pointing and stabilization alignment		
CHARACTERISTICS	Weight	7 Kg.		
	Power	20W		
	Temperature	-40 to 71°C		
	Power input	28V, MIL-STD-1275B		
	Modes of operation	Inertial mode, Inertial + GPS mode		



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