

C I E L O

PRECISELY ON YOUR TARGET



TERRA 100 INS

HIGH ACCURACY LAND NAVIGATION SYSTEM



TERRA 100 INS

HIGH ACCURACY LAND NAVIGATION SYSTEM



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 100 INS system is ITAR-free, has heading and pointing accuracy in GNSS denied environments and meets military standards (MIL-STD 810, MIL-STD 461, MIL-STD-1275). The Terra 100 INS 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	TERRA 100	
PERFORMANCE	Heading Accuracy (sec (lat))	≤1-5 mils (grade dependent)
	Position	≤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 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, TEST

CIELO INERTIAL SOLUTIONS LTD.

info@cielo-inertial.com | www.cielo-inertial.com

5 Nahum Hefzadi St., P.O.Box 34429, Jerusalem 9134302 Israel | Tel: +972.2.6595339 | Fax: +972.2.6541221

