

# INS2000

## High Performance Inertial Navigation System



### Main Features

- High Stability, High Reliability, High Accuracy, High Survivability, Fully Calibrated INS
- Provide Accurately Real-time 3D Position, Speed, Acceleration, Attitude Angle, Angular Rate, etc.
- Position Accuracy (Pure Inertial Navigation): 100m (100s)
- Attitude Angle Error: 2°
- Overload Resistance: 10000g, IP67 Protection
- Wide Temperature: -40°C~+85°C

INS2000 Inertial Navigation System is composed of MEMS accelerometer, MEMS gyroscope and high-performance information processing circuit and system functional module, it is mainly used to measure 3D position, speed, acceleration, attitude angle, and angular rate, etc.

The system enjoys smaller size, lighter weight, lower cost, and lower power consumption, faster start-up, and higher reliability, better dynamic environment adjustment, etc. it can get better performance to work with GPS and BEIDOU satellite position system, and it can be applied in tactical weapon, unmanned aircraft, robot fields.

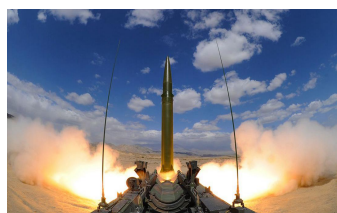
- ✓ 12-Step Quality Control, Super Reliability, More Functions
- ✓ Adopting Original Big Brand Component, High-class Material, Competitive Price

- ✓ Real Actual Precise after Calibration, Perfect Performance
- ✓ Successful Applications in Tens of Fields, More than 1000 Customers are Using

### Typical Applications



Tactical Weapon



Rocket Measurement



Precise Ammunition



Penetrator Test

### Super Reliability & Performance

[www.SkyMEMS.com](http://www.SkyMEMS.com) Mobile: +86 133 7203 8516  
Skype: skymems

Copy Right Reserved © 2019 Nanjing Sky MEMS Technology co., Ltd.  
Focus on MEMS Measurement & Control Technologies, Products include:

MEMS Acc	MEMS Gyro	IMU	Vertical Gyro	AHRS
INS	GNSS/INS	E-compass	Inclinometer	FOG

## INS2000

### High Performance Inertial Navigation System

#### Technical Specifications

Technical Specs		
Name	Technical specs	Remarks
Position Accuracy of Pure Inertial Navigation	<100m	Within 100s
Attitude Angle Error	≤2°	
Power Supply	DC +7V~+15VDC	
Output Interface	RS232	
Data Refresh Frequency	1000Hz	Adjustable
Weight	≤150g	
Dimension	50*40*30mm	
Working Temperature	-40~85°C	
Overload Resistance	10,000g	

#### Super Reliability & Performance

[www.SkyMEMS.com](http://www.SkyMEMS.com) Mobile: +86 133 7203 8516  
Skype: skymems