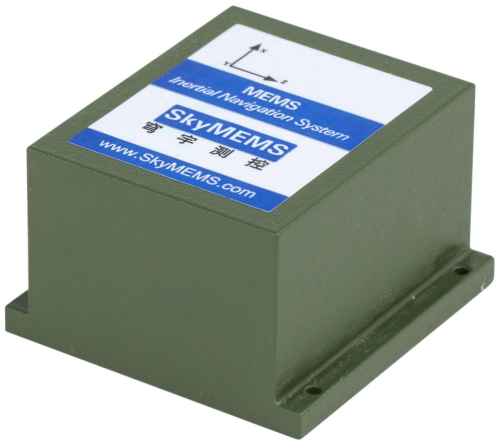
INS1000

High Performance Inertial Navigation System



Main Features

- Real-time Measure Accurately the Attitude Angle, Position, Speed, Acceleration and Angular Rate for High Speed Self-spinning Flying Body
- Angular Range: ±150°/s, ±400°/s (optional)
- Acceleration Range：±10g, ±100g (optional)
- Attitude Angle Error: 2°, Anti-rotation: 30r/s
- High Stability, High Reliability, High Survivability in Harsh Environment, Overload Resistance: 10000g

INS1000 Inertial Navigation System adopts multiple technologies including MEMS, ASIC, micro system integration design, and advanced navigation calculating technologies, it can be used to measure attitude angle, position, speed, acceleration, angular speed, etc. for high speed aerocraft such as rocket, the system enjoys high reliability, high stability, and adjustment in harsh environment.

The system enjoys the advantages such as small size, light weight, low cost, low power consumption, quck startup, high reliability, excellent adjustment in dynamic environment, it has been widely applied in tactical weapon, rocket measurement 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

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Focus on MEMS Measurement & Control Technologies, Products include:

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

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Technical Specifications

Technical Specs	
Measurement Range	acceleration:±10g， ±100g, angular rate: ±150°/s,±400°/s (support custom design)
Attitude angle error	≤2°
Anti-rotation	30r/s
Overload resistance	10000g
Power supply	voltage: **V=5±0.25V, current I≤300mA**
Output data	8 bit parallel data output
Weight	≤5kg
Dimension	Φ120*250mm
working temperature	-40~85°C