UAVSale

Strapdown Inertial Navigation System HW-SN5000

MD-P00510 · md-strapdown-inertial-navigation-system-hw-sn5000

HW-SN5000 inertial navigation system is a standard airborne strapdown inertial navigation system, which can meet the needs of large unmanned aerial vehicles, passenger aircraft and fighter aircraft for inertial navigation systems. The system is a complete integrated navigation system, including an e

TECHNICAL SPECIFICATIONS

Indicator	Parameter
Preparation time	Valid data start time / 30s
Valid data start time	1min
Align time	5min ~ 8min
Position accuracy	Pure inertia / 1 (nmi nautical miles)/h (CEP)
GNSS accuracy	10m
Combined Navigation Location	10m
Speed accuracy	Pure inertial velocity / <0.8 m/s
Combined Navigation Speed	<0.1m/s
Attitude accuracy	Pure inertia horizontal attitude / 0.05
Pure inertial heading	0.12
GPS Integrated Navigation Horizontal Attitude	0.02
GPS combined navigation heading	<0.05
Gyro Accelerometer	Zero bias stability / 0.01 /h
Accelerometer	Zero bias stability / 30ug
Interface features	One RS422 interface /
Electrical Characteristics	Input voltage / AC 220V 50Hz or +18V DC~+36VDC
Power	<100W
Volume	325mmx200mm 200mm
Weight	<15kg
Operating temperature	-54C ~ +71 C
Reliability	Waterproof and moistureproof / Sealed enclosure
MTBF	>2000h

CERTIFICATION

Certification status is confirmed per order and is not published in the catalogue listing. Request the current declaration, test reports or conformity certificates from our sourcing team.

ORDERING INFORMATION

Model	Strapdown Inertial Navigation System HW-SN5000
Part number	MD-P00510
Lead time	30 days
Minimum order	1 unit
Supply	made_to_order

Generated from the UAVSale product catalogue. Figures are manufacturer-supplied and subject to configuration. For the current revision and full documentation set, contact our sourcing team.