UAVSale

SNC300C-B0 UAV Inertial Navigation System

MD-P00339 · md-snc300c-b0-uav-inertial-navigation-system

SNC300C-B0 is a compact inertial navigation system using fiber optic gyroscope (FOG) and micro electro mechanical system (MEMS) accelerometer. It can use external GNSS accurate timing and positioning information for Inertial / satellite integrated navigation. When external GNSS information is invali

TECHNICAL SPECIFICATIONS

Voltage	9-36v DC
Power consumption	＜ 8W
Dimensions	111mm x 72mm x 43mm (length, width and height)
Weight	＜ 450g
Operating temperature	- 40 ℃ ~ + 60 ℃
Storage temperature	- 45 ℃ ~ + 70 ℃
Vibration	5 ~ 2000Hz, 6.06g (with damping)
Impact	30g, 11ms (with damping)
Service life	> 15 years
Continuous working time	> 24h
External GNSS valid, single point	1.2m (RMS)
External GNSS valid, RTK	2cm + 1ppm (RMS)
Pure inertial horizontal positioning holding ①	100M / 5min (CEP)
Airspeed combination horizontal positioning holding ②	1nm / 30min (CEP)
Single antenna	0.1 3 ③
Dual antenna	0.2 / L (L is the baseline length) (RMS)
Course keeping	0.3 / 30min (RMS), 1 / h (RMS)
Self north seeking accuracy	1 SECL, alignment 15min ④
GNSS effective	0.02 (RMS)
Attitude hold (GNSS failure)	0.3 / 30min (RMS), 1 / h (RMS)
Speed accuracy GNSS valid, single point L1 / L2	0.1m/s (RMS)
Measuring range	400 / s

Zero bias stability	0.3 / h

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	SNC300C-B0 UAV Inertial Navigation System
Part number	MD-P00339
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.