UAVSale

XW-GI7690 Optical Fiber Integrated Navigation

MD-P00354 · md-xw-gi7690-optical-fiber-integrated-navigation

This product adopts full temperature 0.01 / h high-precision closed-loop optical fiber gyroscope and 20 G high precision quartz accelerometer, pure inertial navigation accuracy lnmile / h (cep50); The product has built-in measurement level multi-mode and multi frequency satellite receiver, and uses

TECHNICAL SPECIFICATIONS

Pure inertial alignment accuracy (RMS)	North seeking accuracy: 0.05 （ sec ）
Pure inertia holding accuracy	Heading angle: 0.01 (RMS)
Inertial / satellite integrated navigation accuracy	Heading: 0.02 (RMS)
Inertial / ODO / DVL combination accuracy	0.5% Mileage (depending on ODO or DVL accuracy)
working temperature	-40 〜+60
Storage temperature	-40 C〜+85 C
humidity	95% non condensing
to attack	30g, 11ms, half sine
Vibration	Meet the requirements of GJB150 jet. 16A \ propeller aircraft equipment vibration conditions
Supply voltage	24V DC rated (10 ~ 32V DC)
Rated power	35W
GNSS update rate	1Hz, 5Hz, 10Hz optional
Integrated navigation module	100Hz (configurable up to 400Hz)
Interface mode	RS232 / RS422 / Ethernet port / can / USB
transmission speed	9600 ~ 921600 BPS (115200 by default)
Physical size	190mm 190mm 166mm
weight	5.2kg (excluding antenna, cable and shock absorber)
North seeking accuracy	0.05 （ sec ）
Attitude accuracy	0.003
Heading angle	0.01 (RMS)
Attitude angle	0.005 (RMS)
Position	1nmile / h (CEP 50%)

Speed	0.5m/s
Heading	0.02 (RMS)
Attitude	0.005 (RMS)
Single point positioning	3M (CEP 50%)
RTK	2cm+1ppm(CEP 50%)

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	XW-GI7690 Optical Fiber Integrated Navigation
Part number	MD-P00354
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.