

GNSS/IMU Compass INSS



INSS is an integrated system with two GNSS antennas and a strapdown inertial measurement unit based on FOGs and silicon accelerometers.

IS INTENDED

for generating data on orientation and navigation parameters of marine objects in the GNSS-aided mode and in the autonomous mode during short-term miss of the GNSS signals.

SPECIFICATIONS:

Main parameters

	Error (with confidence probability P = 0.997)
Heading	0.7 deg
Heel and trim angles	0.3 deg
Angular rate of oscillating motion	0.3 deg/s
Geographic coordinates (latitude, longitude)	30 m

Overall dimensions:

Central device	Ø 250x175 mm
Antenna module	1660x300x215 mm

Weight:

Central device	10,5 kg
Antenna module	12,5 kg

PROVIDES

generation of the current navigation and dynamic parameters of the ship motion and output of these parameters to a user via the RS-232 opto-isolated channel.

POWER SUPPLY

DC voltage +24 V (18 to 32 V deviation).
Power consumption – no more than 50 W.



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