

战术级IMU



IMU 3000

Model	IMU 3000	
Start-up time	Sec	≤2
Sensor parameter	Gyro	Accelerometer
Measurement range	±400 deg/s	±40 g
Bias	≤250 deg/hr	≤25 mg
Bias repeatability	≤10 deg/hr	≤3 mg
Bias instability	≤0.5 deg/hr (Allan Variance minimum at Tconst.)	≤0.1 mg (Allan Variance minimum at Tconst.)
Non-linearity	≤300 ppm	≤300 ppm
Axis misalignment	0.5 mrad	0.5mrad
Random Walk	≤0.15 deg/√hr	
Scale Factor repeatability	<3500 ppm	3000 ppm
Band Width, Phase (When Phase Shift=-90)	>60Hz	
Output Interface	RS422	
Operating temperature range	deg C	-40 to +80
Storage temperature range	deg C	-55 to +85
Shock	100g ,11ms,1/2 sine	
Vibration	11g rms 20~2000Hz	
Size	68.8x68x60 mm	
Weight	≤500 g	