

Main features:

Three-axis gyro three-axis accelerometer three-axis magnetometer

Dynamic static measurement

Temperature offset tracking algorithm eliminates drift

Heading accuracy: 0.5°

Wide temperature range: -40°C~+85°C

Small size profile: L60 × W59 × H29 (mm)

With hard magnetic, soft magnetic and tilt compensation

Resolution: 0.01°

**Application areas:**

Satellite tracking

Petroleum geological survey

Optical range finder

GPS-assisted navigation

Individual combat equipment

Ocean test

Underwater navigation

Mechanical control

Electrical Specifications:

Voltage	9-35V DC
Working current	30mA (40 m A Max)
Operating temperature	-40~85°C
Storage temperature	-55~100°C

Performance Objective:

Compass heading parameter	Heading accuracy	0.5° (RMS, Static, compass working mode)
	Resolution	0.2° (RMS, Dynamic, attitude mode)
	Repeatability	0.1°
Compass tilt parameter	Pitch roll accuracy	1°(RMS, Dynamic)
	Pitch roll accuracy	2°(RMS, Static)
	Resolution	0.01°
	Tilt range	Pitch±90°, Roll±180°
Compass tilt parameter	Hard magnetic calibration	have
	Soft magnetic calibration	have
	Limited tilt user calibration	have
Physical characteristics	size	L60x W59 x H29 (mm)
	weight	80g
	Output form	RS232/485/TTL interface
Interface characteristics	Start delay	<3s
	Maximum output frequency	50Hz
	RS-232 communication rate	2400 to 115200 baud rate
	Output format	hex
Surroundings	Anti-vibration performance	2000g

Package size:

