

**Main features:**

Accuracy: 2° (RMS)

- 40 ° C ~ +85 ° C wide temperature work

Small size: L55 x W37 x H24 (mm)

Supply voltage: 5 V

Resolution: 0.1°

Roll pitch accuracy: 0.2°

With hard magnetic, soft magnetic and tilt compensation

RS232/RS485/TTL



**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	+5V DC
Working current	30mA (40 m A Max)
Operating temperature	-40~85℃
Storage temperature	-55~100℃

**Performance Objective:**

Compass heading parameter	Heading accuracy	2° (RMS)
	Resolution	0.1°
	Repeatability	0.5°

Compass tilt parameter	Pitch accuracy	0.15°
	Roll accuracy	0.15°
	Resolution	0.01°
	Tilt range	±30°
Compass tilt parameter	Hard magnetic calibration	have
	Soft magnetic calibration	have
	Limited tilt user calibration	have
Physical characteristics	size	L55 x W37 x H24 (mm)
	weight	115g
	Output form	RS232/485/TTL interface
Interface characteristics	Start delay	<3s
	Maximum output frequency	50Hz
	RS-232 communication rate	2400 to 115200 baud rate
Surroundings	Anti-vibration performance	2000g