

# GPS E-Compass GPE-100



**GPE-100 is available 10 Hz Magnetic Heading NMEA0183 output built-in GPS receiver + Electronic Compass chip with 3 axis Gyro-sensor and 3 axis accelerometers. It is very useful to show heading line on plotter screen or ship direction on sonar screen.**

## GPE-100 Technical data:

	Specification
Resolution:	0.1degree / GP-300 display example (359.9 degree)
Repeatability:	+/- 0.2 degree
Data format:	NMEA0183 2 port GGA, RMC, VTG, ZDA or HDT
Baud rate:	4800 (9600, 19200, 38400)
Accuracy:	0.5 degree, it's depend on hard iron sources of error
Heading update rate:	10 Hz (HDT) heading output port
Heading Calibration:	Taking a clockwise and counterclockwise 360 Degree turn around for the compass antenna when install it on the boat.
Roll and pitch:	Available / Heave output will available in future
Water Proof:	IPX-7
GPS satellite tracking:	GPS + QZSS + SBAS / 72ch satellite tracking
Output rate      GPS:	1 – 10Hz depend on baud rate (4800 – 38400)
Heading:	10Hz
Gyro & Magnetic sensor:	3 axis Accelerometer+3 axis magnetic sensor+3 axis Gyro-sensor
Installation hardware:	1 "-14 Threads Marine pole with rock nut
Operating temperature:	-40~+85C
Storage temperature:	-55~+100C
Power Requirements:	11 – 35 VDC
Dimension & Weight:	139 x 91 x 66 mm & 565 g/786 g with mounting pole