



SHUNHANG NAVIGATION INDONESIA
www.shunhang-indonesia.com

SPECIFICATION OF SH-1098 SERIES

PRODUCT NAME : GPS Navigator

- 10000 waypoints;10000 marks;500routes of up to 100waypoints each;24 tracks of up to 6100 track points each
- SH-1098F Fishfinder (optional) SH-1098A AIS (optional)
- Display screens:position screen,satellite screen,compass screen,chart plotter screen,highway screen,ais screen(optional),sonal screen(optional),day/night mode
- Alarm:ARV Alarm,XTE Alarm,ANC Alarm,MET Alarm
- Support upgrade software and chart by SD card
- AIS:receive and send message
- Waterproof,mouisureproof,salt spray proof

GPS Charateristics

Receive channel	gps:12 parallel channels, 12 satellite tracking
Positioning Systems	all-in-view
Accuracy GPS	position:<5m (95%);speed:0.1m/s;time:±100ns Synchronized with satellite time
Start Time	<3 seconds(hot start);average 45seconds (warm start);average 60seconds(cold start)
Restart Time	0.1second
Receive Frequency	L1(1575.42±MHz)
Tracking speed	0.1-1000Byte
Dynamics	Altitude: 50,000m Max Velocity: 500 m/s Acceleration: 4g Max

Receiver Assembly

Display System	Screen size:10.4inch True color LCD screen 800X600 pixel,brightness>230cd/m2
Display modes	Plotter,Highway,Steering,Nav data,Satelite,User display
Projection	Mercator projection
Memory capacity	10000 waypoints;10000 marks;500 routes of up to 300 waypoints each;24tracks of up to 6100track points each
Tracking speed	0.1byte
GPS Alarm	Encounter,Distance,Arrival,Anchor age,XTE,Timed Reminder,Bridge Reminder
Voltage	12-24vdc
Power Supply	<8w

AIS (optional)

Working frequency:	161.975MHz/162.025MHz
Output power:	5w
Channel Bandwidth:	25KHz
Channel spacing:	25KHz
Modulation mode	25KHz GMSK
Bit Rate:	9600b/s+50ppm(GMSK)
AIS receiver sensitivity:	(-116dBm)
Export	NMEA-0183/RS-232

Operating Environment

Temperature	Antenna unit:-25°C to +70°C; Display unit:-15°C to +55°C
Humidity	40°C<93%
Temperature range	-15 °C - + 55 °C
Storage temperature	(-40°C+80°C)

Waterproof	Antenna unit:IPX6 Display unit:IPX5
Product size:	331mm(W)*229mm(H)*108mm(D)
Net weight:	2.1kg
Packing size	388mm(W)*267mm(H)*229mm(D)
Gross weight	4.9kg

Fish Finder(Optional)

Fish finder frequency	200kHz
Transducer power	300W
Packing List	1.SH-1098 unit*1pc 2.Knob*2pcs 3.Power cable*1pc 4.User manual*1pc 5.Screw(PA*20)*4pcs 6.GPS antenna*1pc 7.Feeder cable*1pc (optional) 8.Iron frame*2pcs (optional) 9.VHF antenna*1pc (optional) 10.Transducer*1pc (optional)