

# HOSM AIS Class B & GPS Chart Plotter

## MODEL: GP-50A



### FEATURES

- The main features of the GP series navigator
- 5 inch High-resolution color LCD
- Multi-display mode
- Visual and audio alarm remind
- Quick key and pop-up menu for convenient operation

### NAV

- Plotter display, highway display, steering display, etc.
- Storage for 20,000 waypoints, 100 routes and 10,000 track points;
- Visual and audio alarm of Arrival/Anchor, XTE,
- Man overboard features and quick GOTO mark set.

### AIS

- Radar display, Multi-lists display, plotter display
- Detailed target information display
- Watch function for fishing net buoy, friend ships, etc.
- Visual and audio alarm of collision, SART, MOB
- Watch target lost, watch target deviation, etc.
- Safety and normal message display.

### VARIOUS DISPLAYS



NAVIGATION



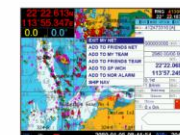
POSITIONING



MENU



AIS SHIP LIST



AIS SHIP DETIL



AIS WATCH LIST

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# GP-50A

## SPECIFICATIONS

### 1. GPS RECEIVER

1.1 Receiving Channels	GPS 50 channels parallel, 12 satellites tracking
1.2 Rx Frequency	1575.42 MHZ
1.3 Rx Code	C/A code
1.4 Position Accuracy	GPS 10 m (95% of the time, HDOP_4) DGPS 5 m (95% of the time, external data required)
1.5 Tracking Velocity	999 kt
1.6 Position-Fixing Time	Warm start: 12 s approx., Cold start: 90 s approx.
1.7 Position Update interval	1 s

### 2. AIS TRANSPONDER

2.1 Standards	ITU-R M.1371-3 IEC 62287-2 IEC 61993-2 IEC 60945 IEC 61162-1
2.2 Frequency	CH87 161.975MHz CH88 162.025MHz
2.3 Channel Bandwidth	25KHz
2.4 Frequency stability	≤ 2.5 PPM
2.5 Modulation	AIS GMSK
2.6 Power output	2W± 1.5dBm
2.7 Sensitivity	≤ -107 dBm
2.8 Max Usable Sensitivity	PER≤ 20% at -107 dBm
2.9 Channel Rejection Ration	≤ -10 dB
3.0 Adjacent Channel Selectivity	≥ 70dB

### 3. ENVIRONMENTAL

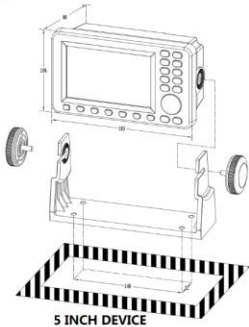
3.1 POWER SUPPLY	12/24V DC
3.2 Ambient Temperature	Antenna unit: -25°C to +70°C Receiver unit: -15°C to +55°C
3.3 Damp Heat	93% or less at 40°C
3.4 Waterproofing	Antenna unit: IPX6 (IEC 60529) Receiver unit: IPX5 (USCG CFR-46)
3.5 Vibration	IEC 60945

### 4. RECORDING CAPACITY

4.1 Max Waypoint	20000
4.2 Max Route	100 500 waypoints per one
4.3 Max MOB	100
4.4 Max Track	10000 10000 points per one max points 500000
4.5 Max Mark	20000
4.6 Max Beacon	20000
4.7 Max Line	2000
4.8 Max AIS Watch	150 per group 2000 points per track
4.9 Max Ship AIS list Hold	2200

### OVERVIEW

#### Main Unit



#### Interface Definition

