

Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

MARINE COMMUNICATION AND NAVIGATION EQUIPMENT

AIS Class-B (10.4-inch)

AIS Class-B (10.4-inch) (1).Main Functions 1.Automatic Identification System (AIS) function Be able to the continuous autonomous receive and transmit the AIS data information. Can display...

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

Category	Marine Communication And Navigation Equipment
Standard	DIN
Weight / Size	MMSI, vessel name, call sign, IMO number, ship type, ship size, the GPS ...
Certificate	CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications

Category	Marine Communication And Navigation Equipment	Model / SKU	AIS-Class-B-10-4-inch
Standard	DIN	Weight / Size	MMSI, vessel name, call sign, IMO number, ship type, ship size, the GPS antenna position, Flag, etc.
Certificate	CCS	Warranty	12 Months unless specified otherwise
Origin	China		

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AIS Class-B (10.4-inch)

(1).Main Functions

1.Automatic Identification System (AIS) function

Be able to the continuous autonomous receive and transmit the AIS data information.

Can display AIS data around own ship when ships equipped with AIS equipment.

Static data including: MMSI, vessel name, call sign, IMO number, ship type, ship size, the GPS antenna position, Flag, etc.

Dynamic data include: latitude and longitude, speed, course, rate of turn ,heading, azimuth, distance.

Navigation data, including: condition of navigation, ship' draft, dangerous cargo ,destination and estimated time of arrival.

When AIS target ship enter pre-setting range ,visual and audio alarm occur ,according to range varying sound changing

Emergency information send and receive.

2.AIS target Approaching, sound (audio) and light (visual) alarm function

When ship speeds greater than 2 knots to enter own ship within the range of 0.1 to 10 nautical miles,

The red light blinks on main unit display .

At the same time ,speaker alarm tone: "The direction × × degrees ,× × nautical Target Approaching Careful avoidance."

3.Target ship information display function

List of showing the target ship (range, azimuth and 9 ID)

Vector display the target ship (provide 1-100 nautical miles range selection)

The target ship displayed on Electronic chart.

4.GPS navigation function

10.4-inch color LCD display, can display the coastline of the country charts, the Geographic Names Information data and

waypoints Routes and track setting, edit, and delete function.

Ship's position, speed, heading, course track, time and date display.

Waypoints, routes, track, store and call.

Destination position, distance and estimated time arrival display.

Navigate arriving at the destination , course deviated alarm , alarm and prompt.

10,000 waypoints can be stored, 10000 marker points, 200 routes.

(2). Technical specification

1.

Main unit :

RF unit: 1 transmitter and 2 receivers

Frequency Range : 156.025-162.025MHz

Modulation method : GMSK9600pts

Frequency tolerance : ±1000Hz

Display screen : 10.4 inch TFT true color LCD

Power Supply : DC 12V-15V

Operating Temperature : -15°C~+55°C

Dimensions : 325 (W) *235 (H) *135 (D) mm

2.

AIS transmitter section :

Carrier power : 33dBm \pm 1.5dB

Modulation spectrum : < -25dBw

< -60dBw

Modulation accuracy : < 3400Hz (Bit 0,1)

2400Hz \pm 480Hz (Bit2,3)

2400Hz \pm 240Hz (Bit 4-199 or 00001111 Bit format)

1740Hz \pm 175Hz (0101 bit format)

Spurious components : -36dBm (9KHz-1GHz)

-30dBm (1GHz-4GHz)

3.

AIS receiver section :

Reference sensitivity : -107dBm (Package error rates \leq 20%)

High input tolerance : -77dBm (Package error rates \leq 2%)

Co-channel interference : 10dB (Package error rates \leq 20%)

Adjacent Channel Selectivity : 70dB (Package error rates \leq 20%)

Spurious response interference : 70dB (Package error rates \leq 20%)

Intermodulation response interference : 65dB (Package error rates \leq 20%)

Note: Specifications are subject to change without notice.