
Marine AIS Class B Transponder System

Displays:

Dynamic Information

position of the ship (derived from GPS)

time, when the position was measured in UTC

course over ground (COG)

speed over ground (SOG)

heading (HOG)

ship status

rotational speed/turn rate

Static Information

MMSI number

call sign and name of the vessel

length and width of the vessel

IMO-number of the vessel, if existent

type of vehicle

position of the GPS sensor onboard

Journey-related Information

draught of the vessel

type of cargo

port of destination and estimated time of arrival (ETA)

route plan, optional compulsory way, depending on the vessels movement

VHF TRANSCEIVER	
1. Frequency	156.025 to 162.025 MHz in 25KHz steps
2. Output power	33dBm \pm 1.5 dB
3. Channel bandwidth	25KHz
4. Modulation modes	25KHz GMSK / AFSK
5. Bit rate	9600 b/s GMSK & 1200 b/s FSK

6. RX sensitivity	<-107dBm at 20% packet error rate
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PHYSICAL	
1. Dimension	207mm (length) x 155.8mm (Width) x 50mm (Height)
2. Weight	0.8kg
POWER	
1. Input	10 ~ 35 VDC
2. Power consumption	0.35A nominal , 2A peak
ENVIRONMENT	
1. Temperature	Display unit: -25 degrees Celsius to +55 degrees Celsius Antenna unit: -25 degrees Celsius to +70 degrees Celsius
Electrical Interface	RS232 38.4kbaud bi-directional

Product link : <https://www.jiayoungmarine.com/?p=1830>