

AIS-100 Marine Tracking Buoy

- AIS Class B device
- Cost-effective Fishing Net Tracking solution
- Transmits up to 36 km
- Battery Endurance 20 days
- Report Interval selectable (typ. 3 min)



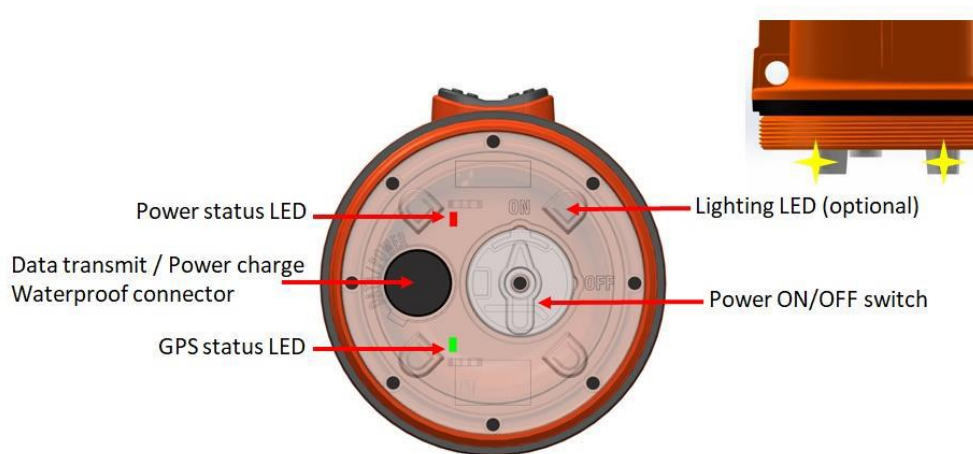
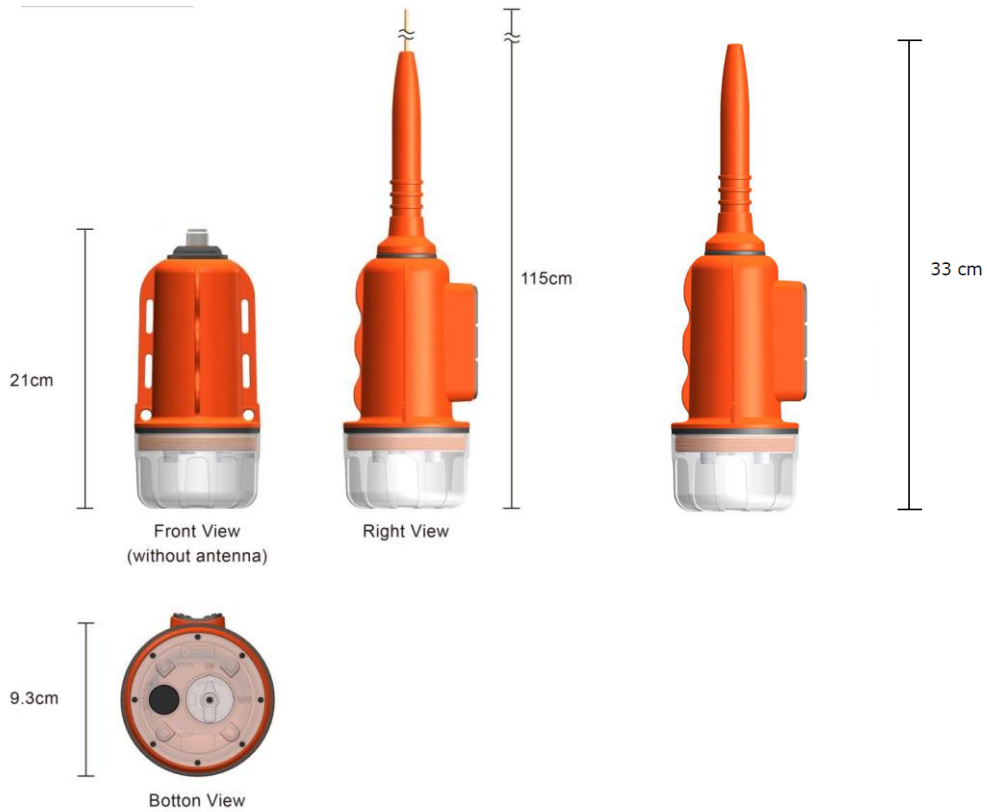
Overview

This AIS Tracking Buoy is a simplified AIS Class B device that offers efficient and cost-effective fishing net tracking solution. With this device installed, the vessel owners can locate, identify, and monitor their fishing net within the AIS VHF transmission range.

The AIS-100 uses a rechargeable battery and can operate for up to twenty working days.

The device has built-in GPS and external VHF antennas. The AIS-100 is lightweight, robust and easy to install on the fishing net, even for smaller vessels without onboard power supply. A wide range of optional functions are available for users to make the product fit for individual applications.

Specifications		AIS-100
Dimensions (Main Body)	Height	21 cm
	Diameter	9.3 cm (max.)
	Weight	500 g
	I/O Port	5 pin waterproof connector
Environmental	Operating Temperature	-20°C ~ +60°C
	Storage Temperature	-30°C ~ +70°C
	Waterproofing	IPx8
Performance	Quad Band	161.975 MHz / 162.025
	Baud Rate	9600 b/s + 50ppm (GMSK)
	Bandwidth	25 KHz
	Output Power	6 W
	VHF Antenna	14.7cm long, transmitting up to 20 km <i>Alternative</i> 1 m long, transmitting up to 36 km
	GNSS Chipset	M2-1216-B
	Receiving channels	72
	Tracking sensitivity	-160 dbm
	Position accuracy	2.5 m CEP
	Power	Battery specification
Battery type		Rechargeable Li-ion battery
Battery endurance		Up to 20 days (with reporting interval 3 minutes)
LED Indicators	Flashing 10 s (red & green)	System power on
	Fast Flashing 10 s (red)	Low power warning
	Flashing (green)	GPS searching
	Flashing 3 s (red & green)	Transmitting data



Errors and omissions excepted.