

AIS-100 AIS BUOY

Model: AIS-100

Rev.A

Easy to Install, Easy to Track, Easy to Use



Overview:

The AIS Tracking Buoy (AIS-100) 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. Our buoy can prevent unauthorized transferring between fishing net.

AIS-100 uses rechargeable battery and can operate up to twenty working days. The device has built-in GPS and external VHF antennas. AIS-100 is lightweight, robust and easy to install on fish 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 application

Features:

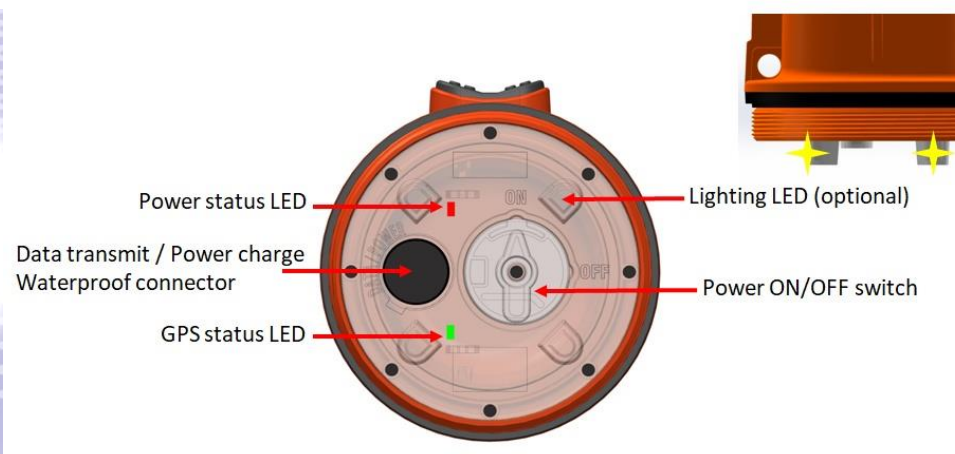
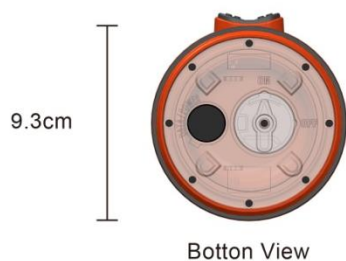
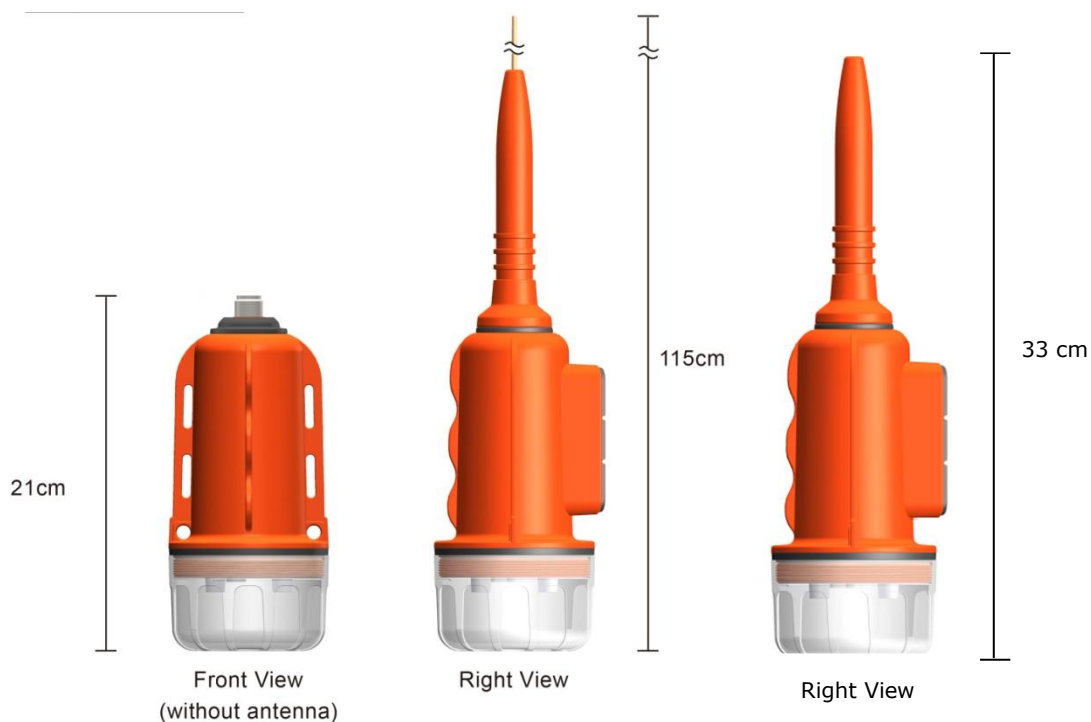
- Transmission distance up to 20 Km. / 36 Km.
- Working time up to 20 days.
- Easy to install, Easy to Track, Easy to Use.
- Report interval can be changed.

© Unictron Technologies Corp.
All specifications subject to change without notice.

I. Specification:

Physical Condition		
Dimension (Main Body)	21 cm x 9.3 cm	
Weight (Main Body)	500 g	
I/O port	5 pin waterproof connector	
Environmental Conditions		
Operating Temperature	-20 °C ~ +60 °C	
Storage Temperature	-30 °C ~ +70 °C	
Waterproof	IPx8	
Performance		
Quad Band	161.975 MHz / 162.025 MHz	
Baud Rate	9600 b/s+50ppm (GMSK)	
Bandwith	25 KHz	
Output Power	6 W	
Antenna	External 14.7cm VHF Antenna	External 1m VHF Antenna
Transmission Distance	Up to 20 km	Up to 36 km
GNSS Chipset	M2-1216-B	
Receiving Channels	72 channels	
Tracking Sensitivity	-160 dbm	
Position Accuracy	2.5 m CEP	
Battery	12.6V 3200 mAh	
Battery Type	Rechargeable Li-ion battery	
Battery working time	Up to 20 days (report interval: 3 min)	
LED Indication		
Flashing 10 sec (red & green)	System power on	
Fast Flashing 10 sec (red)	Low power warning	
Flashing (green)	GPS searching	
Flashing 3 sec (red & green)	Transmitting data	

II. Mechanical Diagram:



© Unictron Technologies Corp.
All specifications subject to change without notice.