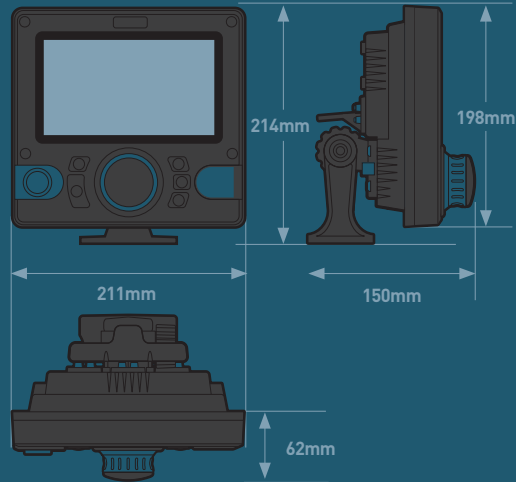


Specifications

Transmitter	12.5/1Watts
Transmit Power	156.025 – 162.025MHz
Frequency Range	Modulation
Modulation	GMSK: BT 0.4
AIS	FSK: Mod Index 2
DSC	
Receiver	
Sensitivity	-107dBm for 20% packet error rate
Frequency Range	
AIS RX1 and RX2	156.025 – 162.025MHz
DSC	156.525MHz
General	
Temperature Range	-15°C to +55°C 5°F to 131°F
Waterproof	IPx7 (1metre for 30mins)
Supply Voltage Range	9.6V to 31.2V
GPS receiver	High sensitivity
Channels	99 acquisition/33 tracking
Interfaces	
Serial ports	IEC61162-1, -2 3 Rx only, 3 Rx/Tx, Pilot plug
	USB
	WiFi IEC802.11 bgn
Blue switch input	Isolated
Alarm Relay	Normally Open/ Normally closed: 2A max
Compliance	
Standards	IEC61933-2, IEC60945, IEC622882

ATA100 dimensions



ATA100 AIS Class A Transponder

Communication and Safety at Sea

- Compact single unit solution with full colour display
- Colour coastline map
- Compliant with EU Inland Waterways standard
- Radar and Target list displays
- Selectable chart orientation
- Incoming message & alarm display
- Alarm output for AIS SART, MOB and EPIRB detection
- Surface mount and bracket mount options
- Supplied with GPS antenna
- Continuous self-testing with alarm notifications
- Simple to use
- Message sending functionality
- Compliant to regulations
- WiFi and USB interfaces for PC & tablet connection
- Pilot plug
- Waterproof to IPx7
- Isolated alarm relay contacts
- Programmable for up to 30 MOB units
- Simple installation



Features and Specifications

Features

The ATA100 AIS Transponder is a fully compliant Class A transceiver designed to complement the existing range of maritime safety equipment from Ocean Signal. Used as an aid to collision-avoidance, the ATA100 combines the trusted technology and fluid product design that have become synonymous with Ocean Signal products.

This compact, single unit solution is capable of exchanging dynamic and static ship data with other AIS systems. Real time marine traffic information is continuously interpreted using a powerful internal processing engine and displayed on a 7" full-colour, rapid-response LCD. The coastline map view and radar view have various orientation display options allowing for user preference whilst a standard target list display gives immediate detailed listings of nearby vessels which can be sorted to the owner's desire.

The AIS message-sending functionality is simple to use, ensuring safety related messages can be quickly delivered or received by the user with very little effort. An instant message and alarm function provides immediate notification of any potential problems or hazards including the deployment of

Ocean Signal's MOB1, the world's smallest Man Overboard AIS/DSC device. It is also compatible with all other AIS Man Overboard devices including ACR's AISLink MOB.

Dynamic data such as location, speed over ground and course over ground is calculated automatically using the integrated 99-channel GPS receiver, while the static and voyage related data such as MMSI, call sign and name, type of ship, destination, ETA etc. is easily programmed into the AIS transponder via a user-friendly menu interface.

This single unit solution to meet AIS requirements ensures a minimal use of bridge space and its surface or free standing mounting options allow for easy installation into almost any position or location. It also includes multiple connectivity options including WiFi, USB port, serial and Pilot plug.

The ATA100 AIS Transponder Class A unit from Ocean Signal meets the requirements of the EU MED (Wheelmark) Directive and USCG/FCC regulations. It also complies with the EU Inland Waterways standard, administered by the CCNR.



7 inch, high intensity colour display



Large illuminated keys and jog stick



Simple cable connectivity



Waterproof glands for all cables

Whilst every effort has been made to ensure the information in this leaflet is accurate, products and specifications may be changed without notice.

