



Ocean Signal ATA100 Class A AIS Transponder

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Ocean Signal - Seawork International: Ocean Signal Introduces New AIS Transponders for Workboat and Offshore Operators

Seawork International, 3rd to 5th July, Southampton, Stand PY67

For the first time at Seawork International, Ocean Signal is introducing the ATA100 Class A and ATB1 Class B AIS transponders as fully compliant solutions to increase visibility, aid collision-avoidance and enhance

navigational safety for a range of commercial workboats, support vessels and fishing boats.

The [ATA100](#) is a combined SOLAS and Inland approved single-unit device capable of exchanging dynamic and static ship data with other AIS systems and developed to meet the latest IMO carriage requirements and IEC standards.

Incorporating Ocean Signal's trusted technology within a compact design that is easy to use and simple to install, the ATA100 is the only Class A AIS transponder available rated to the IPX7 waterproofing standard. It features a 7-inch high-intensity, full-colour, rapid-response LCD to clearly display real-time marine traffic information. The coastline map and radar views have various orientation display options, whilst a standard target list display can be customised according to preference to provide immediate detailed information about nearby vessels.

The Ocean Signal Class A AIS has integrated Wi-Fi and USB interfaces for PC and tablet connection and is user-intuitive, featuring large illuminated keys and easy-to-grip jog stick. The simple-to-use AIS message-sending functionality ensures safety related messages can be quickly delivered or received by the user, while an instant message and alarm function provides immediate notification of any potential problems or hazards. 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 identity, type of ship, destination and ETA is effortlessly programmed into the AIS transponder via a user-friendly intuitive menu interface.

Occupying a minimal amount of bridge space, the ATA100 is supplied with pilot plug and is suitable for either flush panel or free standing mounting for easy installation into almost any position or location.

For commercial operators requiring a Class B AIS device, the Ocean Signal [ATB1](#) is a powerful transponder incorporating superior SOTDMA technology and 5W output power. The unit uses the SOTDMA (Self Organised Time Division Multiple Access) scheme - complex AIS technology that ensures increased priority for position reports with no loss or delay of transmission - to offer captains a high strength, yet affordable, Class B device for aiding collision avoidance and providing peace of mind in areas of high traffic or

poor conditions.

The Ocean Signal ATB1 has a faster reporting rate and higher output power than standard CSTDMA (Carrier Sense TDMA) Class B units, sending AIS transmissions every five seconds instead of the CSTDMA two transmissions per minute. The unit's 5W output power, compared to the standard 2W, allows the transmissions to reach further.

With 99 acquisition channels and 33 tracking channels, the powerful internal multi-GPS receiver continuously updates vessel information, including position, speed, course and heading, for accurate global positioning. Other vessel information such as identity, call sign, type and dimensions, and MMSI is uploaded to the ATB1 via Wi-Fi directly from Ocean Signal's user-friendly mobile app or website to be stored for automatic transmission. The ATB1 also receives and interprets AIS messages from other AIS-equipped vessels within range, which can then be relayed to other navigation devices such as chart plotters, laptops or mobiles using the ATB1's NMEA 0183, NMEA 2000, USB or Wi-Fi outputs.

Easy to use with accessible connections, the ATB1 features a sleek, yet rugged, waterproof design that is high on performance and low on energy consumption. It is quick and simple to install and is supplied complete with an external mount GPS antenna, ready to upload vessel information using a mobile phone, tablet or PC.

Both the Class A and Class B units are compatible with Ocean Signal's award-winning rescueME MOB1 man overboard AIS/DSC device, providing immediate notification in the event that a MOB1 should be activated. The ATA100 is programmable to accommodate up to 30 MOB units.

The ATA100 and ATB1 are the latest additions to Ocean Signal's comprehensive portfolio of essential sea-safety equipment developed and manufactured in the UK for the commercial maritime market. It adds to the rescueME range of devices, including the rescueME MOB1, PLB1 and EDF1, and the SafeSea range of GMDSS products, including the E100 and E100G EPIRB, S100 SART and V100 handheld VHF radio, as well as the M100 and M100X professional MSLD and E101V float-free EPIRB with integrated voyage data record memory capsule.

For further information about Ocean Signal's products, visit Stand PY67 at

Seawork or go to www.oceansignal.com.

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About Ocean Signal

Communication and safety at sea specialist Ocean Signal™ is dedicated to providing the technology and quality of product that will set industry standards.

Ocean Signal's product portfolio consists of the rescueME range of products,

including the rescueME PLB1, the rescueME MOB1, the rescueME EPIRB1 and the rescueME EDF1 electronic distress flare, plus the AIS Alarm Box, and the SafeSea range of GMDSS products, including the E100 and E100G EPIRB, S100 SART and V100 handheld VHF radio, as well as the M100 and M100X professional MSLD and E101V float-free EPIRB with integrated voyage data record memory capsule. They provide both recreational and commercial mariners with simple to use, compact and affordable life-saving solutions. All products are engineered by a highly experienced team of marine electronics professionals.

Ocean Signal products are trusted by high-profile sailors, rowers, surfers and powerboat racing teams. Providing some of the world's best competitors and adventurers with vital safety and communication devices, the rescueME MOB1 and rescuePLB1 were integrated with the Spinlock lifejacket and personal equipment packs for the crews in the Volvo Ocean Race 2017-18 and the rescueME MOB1 was also selected to enhance safety standards for crew taking part in the Clipper 2017-18 Round the World Yacht Race. Ocean Signal has also sponsored the crew of Simply Fun with rescueME MOB1s, rescueME PLBs and a rescueME EPIRB1 in the 2016 Rolex Sydney Hobart Yacht Race, the 16-man crew of Triton with rescueME MOB1s in the 2015 Rolex Sydney Hobart Yacht Race, record-breaking sailor Andrea Mura in the single-handed OSTAR race, Mini Transat 2015 solo sailor Lizzy Foreman, ocean rowing teams including Ocean Valour, Ocean Brothers and Carbon Zero and solo rower Lia Ditton, Venture Cup offshore powerboat race team Cinzano, kite racer Gina Hewson and canoeist Adam Weymouth.

Safety and communication products from Ocean Signal offer exceptional value, meeting or exceeding international technical and safety standards. Careful design and innovation provides commercial shipping, fishing and recreational users the confidence that their Ocean Signal equipment will work to, and beyond, their expectations when it is needed most.