



Ocean Signal ATB1 Class B AIS Transponder

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Ocean Signal - METSTRADE: Ocean Signal Introduces the ATB1 Class B AIS Transponder Incorporating Superior SOTDMA Technology and 5W Output Power for Increased Visibility and Safety for Leisure Boat Owners

Official Press Launch - Tuesday at 2pm on Stand 03.125

METSTRADE, 14th to 16th November

New at METSTRADE 2017, Ocean Signal is launching the ATB1, a powerful Class B AIS Transponder incorporating the superior SOTDMA technology and 5W output power to ensure increased visibility and navigational safety for leisure boat owners and captains.

The new fully-compliant Ocean Signal AIS unit uses the SOTDMA (Self Organised Time Division Multiple Access) scheme to provide enhanced navigational safety and added assurance that the vessel will be seen day or night. This complex AIS technology, which ensures increased priority for position reports with no loss or delay of transmission, has been incorporated within the ATB1 to offer boaters 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.

Communication and safety at sea specialist Ocean Signal's advanced proven technology ensures the ATB1's AIS transmissions provide the most accurate representation of the vessel's position at all times. 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 WiFi 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.

Providing assurance that the ATB1 is functioning with continuous AIS

transmission and optimal performance, a multi-colour LED indicator light on the ATB1 signals the on-going operational status of the unit.

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.

The new Class B AIS unit is 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.

Neil Jordan, Managing Director, Ocean Signal, said: "The ATB1 provides leisure boat owners with a valuable new tool to improve their safety and situational awareness. The unit's increased power and transmission frequency and use of the SOTDMA scheme open up the exceptional capabilities and benefits of AIS technology to more people, offering a level of transmission reporting priority only previously available with a Class A AIS unit, enabling leisure boaters to see and be seen for peace of mind, especially in low visibility or congested areas."

The ATB1 Class B AIS Transponder is priced at £590 excluding VAT.

The ATB1 Class B AIS Transponder is the latest device in Ocean Signal's comprehensive portfolio of essential sea-safety equipment developed and manufactured in the UK for the maritime market. It adds to the new Ocean Signal ATA100 Class A AIS Transponder, a combined SOLAS and Inland approved solution for superyachts and commercial vessels.

For further information about Ocean Signal's products, visit Stand 03.125 or go to www.oceansignal.com.

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For further information, please contact:

James Hewitt

Ocean Signal

Tel: +44 (0)1843 282930

E-mail: james.hewitt@oceansignal.com

www.oceansignal.com

or

Jules Riegal

Saltwater Stone

Tel: +44(0)1202 669244

E-mail: j.riegal@saltwater-stone.com

www.saltwaterpr.com

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 will be integrated with the Spinlock lifejacket and personal equipment packs for the crews in the Volvo Ocean Race 2017-18 and the rescueME MOB1 has been 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.