

AIS and SSAS Systems



Nauticast™ Inland AIS Automatic Identification System

Class A - SOLAS Transponder:

- INLAND and SOLAS - All in one
- Lock Management (ETA / RTA)
- Interrogations - IFM
- Message 23 (Group Assignment Command)
- Inland ECDIS
- Built in Sensor Configuration



AIS at Your Fingertips

Nauticast-Inland has taken AIS technology further and fully explored its unifying properties and diverse application possibilities. The underlying principle of AIS technology lies in the provision and receipt of data from multiple sources. The Transponder sends, receives and processes own vessel, other vessel, and shore-based navigation data as well as distributing it to all participants of an AIS network.

The Perfect Companion at Sea

The Nauticast-INLAND is perfectly cut out for bridge integration. It blends in neatly thanks to its compact design – it's the world of AIS, held in one hand! The Nauticast-INLAND stays in the background, automatically and continuously transmitting vessel type, course, destination, cargo and more. It is thoroughly unobtrusive, yet remains continuously on the alert - only demanding attention when an alarm or error message requires action.

The Nauticast-INLAND AIS is 2 Transponders in 1. Designed for use in both inland waterways and SOLAS applications, the Nauticast-INLAND AIS gives you added safety in multiple cruising situations. The Nauticast-INLAND AIS includes the innovative 3-in-1 Graphical Display with 3 different views at a fingertip: Alphanumeric, Radar View and Fairway View. This representation of the surrounding traffic scenario also with different zoom-levels is a completely unique way of capturing and representing vessel data.

The Nauticast-INLAND AIS Transponder fully corresponds to the technical specifications for the Automatic Identification System (AIS) Transponder, issued by the International Maritime Organization (IMO).

The Nauticast Transponder makes a significant contribution to increasing safety on rivers or while at sea.

Inland AIS gives you the option to switch between Inland navigating or open sea cruising. All the benefits of two separate AIS systems, conveniently package for the price of one.

AIS and SSAS Systems**SSAS ThunderBird**

Product no. 2800

406 MHz Ship Security Alert System with GPS interface

The ThunderBird SSAS system works through the satellite network of COSPAS SARSAT. This guarantees a very fast alert to the ground stations, average 15 minutes worldwide, and an accurate position, within 100 meters. This system does not require any membership or fee.

The installation of this SSAS system needs to be executed by authorized technicians. A typical installation can be finished in about 6 to 8 hours.

Main characteristics of the beacon:

- Unit transmits on 406 MHz (COSPAS-SARSAT) the vessels registered digitally coded emergency signal, covertly alerting rescue and policing authorities that the vessels security has been compromised
- GPS interface (NMEA0183) downloads LAT/LON from the vessel's onboard GPS every 20 minutes, upon activation GPS coordinates accompany the 406 MHz signal reducing the time it takes the message to reach the authorities
- With GPS data accuracy within 100 meters
- Patented proprietary electronics package provides greater frequency stability for most accurate position through the LEOSAR satellites
- Full functional self test confirms GPS data, test internal circuitry and test battery voltage
- Class 1 battery for colder temperature operation, minimum 48 hrs @ -40° C, 5 year replacement life
- Cross dipole antenna mounts on mast for optimal signal strength
- In-line waterproof connectors protect the integrity of the beacon from electrical failure due to moisture