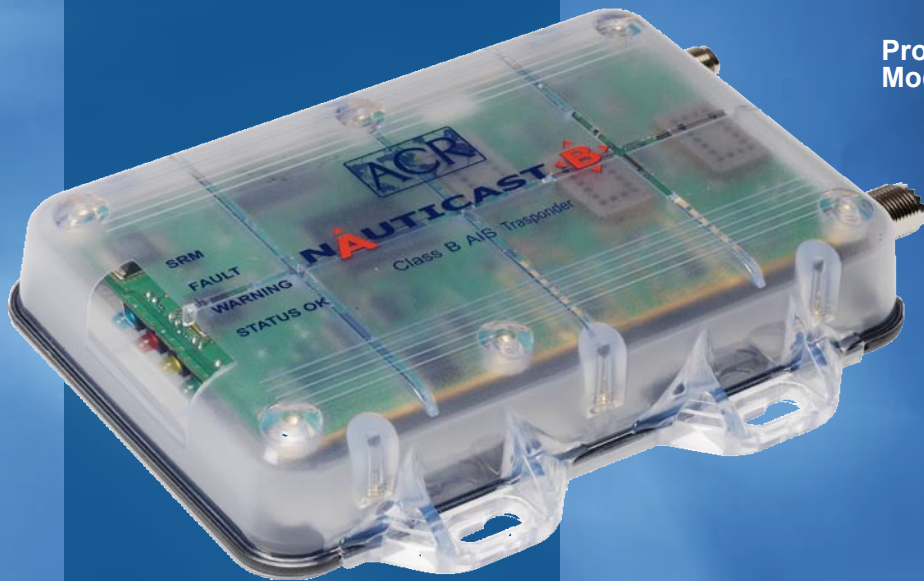


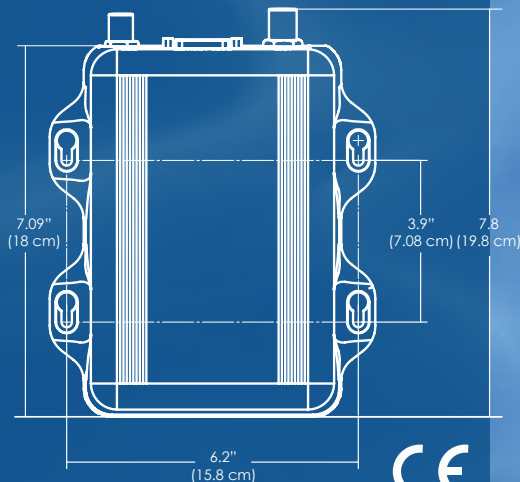
NAUTICAST-B

Class B-Automatic Identification System Transponder



Product No.: 2680
Model No.: AIS-300

Class B Transponder
Small in Size
Plug and Play
Transmits and Receives
Water Resistant
Remote SRM Switch
GPS Receiver



CE
0700



The Nauticast-B transponder is a plug and play AIS solution. Enjoy the benefits of the AIS system knowing larger commercial vessels are aware of your position increasing your personal safety while navigating at sea.

Unlike receive only AIS devices which do not transmit vessel information to surrounding traffic, the Nauticast-B system allows you to virtually participate in neighboring vessels maneuvering activities for collision avoidance. Announce your identity, position, speed and course over ground to oncoming traffic allows for increased security that you will be seen in low visibility conditions.

Avoid not being seen because of extreme weather conditions or busy vessel traffic environments. Generate a safety distress message to surrounding AIS equipment, including vessels, base-stations, and possibly SAR teams. All in all, it is a horizon expanding experience; especially in combination with an electronic chart system.



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COBHAM
Avionics & Surveillance

This device has not been authorized as required by the Rules of the FCC. This device is not and may not be offered for sale or lease, or sold or leased, until authorization is obtained.

ACR Electronics, Inc. is registered by UL to ISO 9001:2000

FEATURES

Size it Up!

The Nauticast's alluring measurements are 7.8 x 6.2 x 1.84" (18 x 15.8 x 4.7 cm). It's a lightweight at 13.2 oz. (375 g) and won't take up much space mounted under the dash. Position the Safety Switch on your console for easy access in case of an accident

Plug and Play

Inventive technology at its best! Three sockets suffice to connect power, sensors, and antennas; and initial transponder operation is up and running within minutes.

Plug & Play system includes: Class B AIS Transponder, GPS antennas, data/power cables and optional remote Safety Message switch

Safety Related Message/Stealth

The remote SRM button saves the precise coordinates of the incident and immediately generates safety distress message to surrounding vessels

Or configure the SRM switch to allow you to operate in stealth mode only, receiving AIS data and not sharing for added security to avoid being detected by pirating vessels.

Data cable directly interfaces with your chart plotter or laptop

ACR AIS products undergo stringent quality testing and with thousands of AIS transponders on the market, the Nauticast brand is a tried and tested system which has already gained substantial market penetration in this young market

Warnings:

Although ACR strives for accuracy in all its publications, this material may contain errors or omissions, and is subject to change without prior notice. ACR shall not be made liable for any specific, indirect, incidental or consequential damages as a result of its use. ACR components may only be used in safety of life devices or systems, with the express written approval of ACR, as the failure of such components could cause failure of the Nauticast device or system. If these fail it is reasonable to assume that the safety of the user or other persons may be endangered.

For over 50 years, ACR has built quality products knowing they are used to save lives. Please call or write for a complete catalogue of safety and survival products.

Dimensions	7.8 x 6.2 x 1.84" (18 x 15.8 x 4.7 cm)
Weight	13.2 oz. (375 g)
Power	DC (9.6-15.6V). Average power consumption 4W. Peak current rating 2A.
GPS Receiver	AIS Internal, IEC 61108-1 compliant
Electrical Interfaces	RS232 38.4kBaud Bidirectional
Connectors	VHF Antenna connector (UHF female bulkhead connector) GPS Antenna connector (TNC female bulkhead connector)
Interface Cable	15 pin DSUB connector with 4 leads: Data-RS232; Data-RS422; Remote switch; Power
VHF Transceiver	Transmitter x1 Receiver x 2 (one receiver time shared between AIS and DSC)
AIS1 :161.975 MHz	Frequency 156.025-162.025 MHz in 25kHz steps
AIS2: 162.025 MHz	Frequency 156.025-162.025 MHz in 25kHz steps
Output Power	2W (33dBm ± 1.5 dB)
Channel Bandwidth	25kHz
Channel Step	25kHz
Modulation Modes	25 kHz GMSK (AIS, TX and RX) 25 kHz AFSK (DSC, RX only)
Bit Rate	9600 b/s ± 50 ppm (GMSK) 1200 b/s ± 30 ppm (FSK)
RX Sensitivity	Sensitivity - 107 dBm 25kHz (message error rate 20%) Co-channel 10dB Adjacent Channel 70dB IMD 65dB Blocking 84dB
Environmental	IEC 60945, IP 67
Operating Temperature	-13° to 131°F (-25° to 55°C)
Indicators	Power, TX timeout, status, pre-set SRM sent or Silent Mode
Operator Controls	Optional pre-set safety related message (SRM) transmit button or Silent Mode (No transmit, user configured)

