

# Comar CSA-300



## Class A - AIS Transponder

The CSA-300 is a compact, state of the art Class A transponder. The transceiver and the high contrast monochrome display are both contained in a single robust enclosure.

Connected to an external VHF antenna and its GPS antenna the CSA-300 transmits its own position and vessel data, as well as receiving information from other AIS transponders. Designed and IMO approved to meet the requirements of large commercial vessels it is equally suitable for smaller commercial, fishing and leisure craft.

Interfaces are available via an external remote junction box for connection to electronic chart displays, radar, and other AIS displays.

### The CSA-300 provides a vessel with:

- Automatic transmission of vessels own position, speed and heading to other vessels within VHF range.
- A method of monitoring the position, speed and heading of other AIS vessels within VHF range.
- The ability to plot the progress, changes in heading and speed of other AIS vessels on a Chart Plotter, Radar or PC program.
- Reception and transmission of Text and Safety related messages.

# be aware be safe at sea



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# comar SYSTEMS

## CSA-300 Class A AIS Transponder features:

- Easy configuration and set-up menu
- Simple access to data and menus with rotary control
- Compact single unit design
- Target plot and list of other vessels in range
- Integrated Pilot Plug
- Internal 16 Channel GPS receiver

## Information that can be received by the CSA-300

- Transmissions from both Class A and Class B vessels
- Base Stations
- Aids to Navigation
- AIS SARTs

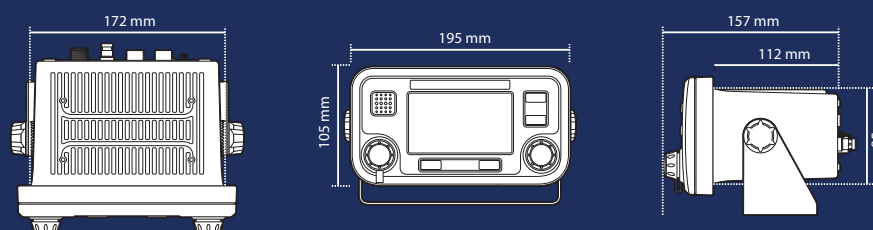
## Approvals:

- MED Wheelmark
- CE European
- BSH Germany
- FCC USA
- IMO Compliant



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|                        |   |   |
|------------------------|---|---|
| <b>SPECIFICATIONS</b>  | Operating Voltage:<br>Power Consumption:<br>NMEA0183 Interface:<br>RS232 Interface:<br>Operating Temperature:   | 12 to 24 VDC<br>10 watts average, 4.75A peak at 12VDC<br>38.4k baud bi-directional<br>38.4k baud bi-directional<br>-15°C to +55°C   |
| <b>CONNECTIONS</b>     | VHF Antenna connector:<br>GPS Antenna connector:<br>RS232 Data connector:<br>IEC61162 interfaces & alarm relay:<br>Power connector:   | SO-239 (UHF)<br>TNC<br>9 way D type<br>Via 50 way D-type junction box.<br>LTWBB-04PMMS-LC7001   |
| <b>VHF TRANSCEIVER</b> | Transmitter:<br>Receivers:<br>Frequency Range:<br>Channel Bandwidth:<br>Power Output:<br>Modulation:<br>Data Rate:<br>RX Sensitivity:<br>Compliant:<br>Standards and Approvals: | Single<br>Three (two AIS and one DSC channel 70)<br>156.025MHz – 162.025MHz<br>25KHz<br>41dBm +/- 1.5dB<br>25KHz GMSK / 25KHz AFSK<br>9600 bps GMSK & 1200 bps FSK<br><-107dBm @ 20% PER<br>FCC, USCG, Type EU, CE, RoHs<br>IEC60945 Edn. 4.0 Environmental requirements<br>IEC61993-2 Class A Shipborne equipment<br>IECIEC61162-1/2 Edn.2.0 Digital interfaces<br>EC61108-1 GPS Receiver equipment<br>ITU-RM.1371-3 Universal AIS Technical Characteristics |
| <b>CONTENTS</b>        | Main transceiver and display<br>GPS antenna<br>Data cable<br>Junction box<br>Power cable<br>Trunnion bracket  | Panel mount brackets<br>Fixing screws<br>User and installation manual<br>Quick start guide<br>Support tools CD<br>Mounting template   |
| <b>PHYSICAL</b>        | Dimensions:<br>Weight:<br>Mounting:   | W: 210mm , H: 105mm, D: 138mm<br>1.6 kg<br>Trunnion bracket   |



For more information contact:

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