

**i** PREVIOUSLY KNOWN AS THE CSB200



## TRANSPONDERS

# T200B CLASS B AIS TRANSPONDER

SKU: 001-1017

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## FEATURES

- **NMEA 0183 and NMEA 2000 compatible**
- **Redesigned Compact Housing**
- **Ideal for Small Commercial and Leisure Craft**
- **Automatic transmission of vessels own position, speed and heading to other vessels within VHF range**
- **Transmitter off facility to conserve power, or for covert use**
- **The ability to plot the progress, changes in heading and speed of other AIS vessels on a PC or Chart Plotter**
- **A method of monitoring the position, speed and heading of other AIS vessels within VHF range**

## OVERVIEW

The T200B is a compact and rugged AIS Transponder, designed for the demands of the small commercial boat, fishing boat and leisure markets. It meets the Class 'B' standard that allows vessels that are not required to fit Class 'A' units to voluntarily fit an AIS Transponder. When connected to an external VHF antenna and a GPS antenna (not supplied), the T200B will transmit its own vessel position and data and receive information from other AIS vessels, shore stations and navigational aids within VHF range.

The unit is initially programmed by the user with the supplied software over a USB interface. The T200B is compatible with a range of computer based navigation programs and chart plotters that can accept AIS data sentences over a NMEA 0183 or NMEA 2000 connection.

## APPLICATIONS

- Small commercial boat, fishing boat and leisure markets.
- Meets the Class 'B' international standard that allows vessels that are not required to fit Class 'A' transponders to voluntarily (or otherwise) fit an AIS transponder

## RELATED PRODUCTS

[T200B-S](#) - Class B AIS Transponder with Integral splitter

[AV100](#) - Stainless Steel Whip Antenna

[AV300](#) - Fibreglass VHF Antenna

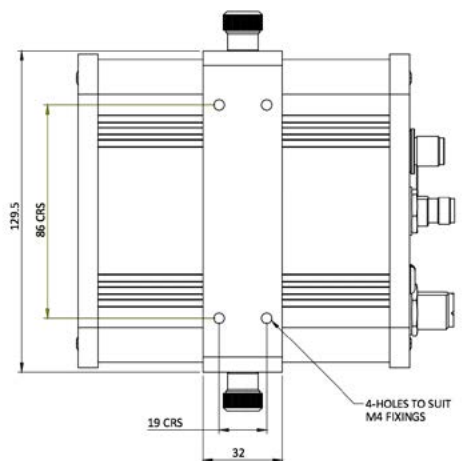
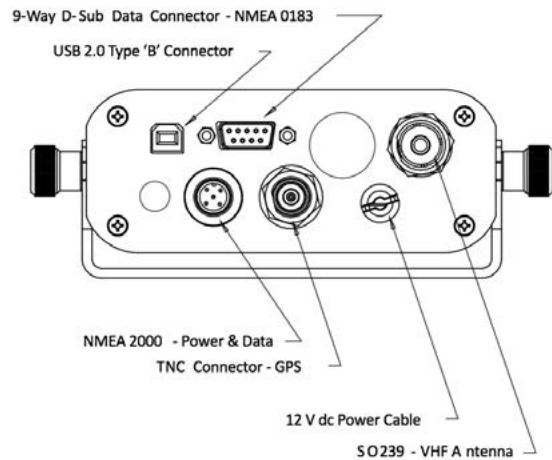
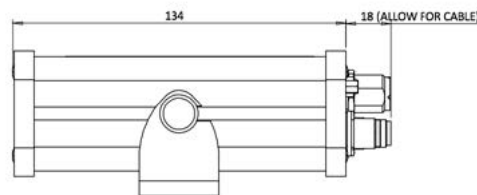
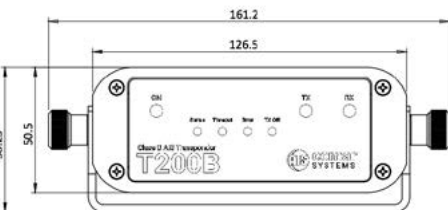
[AV400](#) - Commercial Antenna for AIS

[AG100](#) - GPS Antenna

| PHYSICAL             |  |
|----------------------|--|
| <b>Weight:</b>       | 600 g  |
| <b>Dimensions:</b>   | L 135 x W 128 x H 50 mm (excl. connectors & bracket)   |
| <b>Mounting:</b>     | To flat surface with supplied trunnion mount   |
| <b>Connections:</b>  | Power: 2-core captive cable, 1 m<br>Antenna: SO239 UHF Connector<br>GPS Antenna: TNC Connector<br>Data In/Out: 9-pin D-sub Connector<br>NMEA 2000: 5-pin; 2x Data; 2x 12 V dc Power;<br>1x Shield<br>USB: USB 2.0 Type B Connector |
| <b>Construction:</b> | Extruded aluminium alloy   |
| <b>Finish:</b>       | Black paint  |

| ELECTRICAL           |  |
|----------------------|--|
| <b>Power Supply:</b> | 12 V dc (9.6 - 15.6 V dc); 500 mA; 4 W nominal |
| <b>Peak Power:</b>   | 2 A  |
| <b>Data Output:</b>  | NMEA 0183: 38,400 and 4,800 Baud               |

| OPERATIONAL                   |   |
|-------------------------------|---|
| <b>VHF Receiver:</b>          | Transmitter x1; Receiver x2   |
| <b>VHF Antenna Impedance:</b> | 50 Ω  |
| <b>Frequency Range:</b>       | 156.025 – 162.025 MHz in 25 kHz steps   |
| <b>Channel Bandwidth:</b>     | 25 kHz  |
| <b>Channel Steps:</b>         | 25 kHz  |
| <b>Display:</b>               | Discrete Indicator LEDs   |
| <b>Data Received:</b>         | <ul style="list-style-type: none"> <li>• Class 'A' and Class 'B' AIS Transmissions</li> <li>• Safety messages • Aids to Navigation</li> </ul> |
| <b>Data Transmitted:</b>      | Name of Vessel • MMSI Number • Position • Speed (SOG) • Course (COG) • Type of Vessel • Call Sign • Heading • Vessel Dimensions               |
| <b>GPS Antenna Impedance:</b> | 50 Ω  |
| <b>Indicators:</b>            | On, TX, RX, Status, TX Timeout, Error, TX Off   |



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