

i PREVIOUSLY KNOWN AS THE CSB200



TRANSPONDERS

T200B CLASS B AIS TRANSPONDER

SKU: 001-1017

[View Online >](#)

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

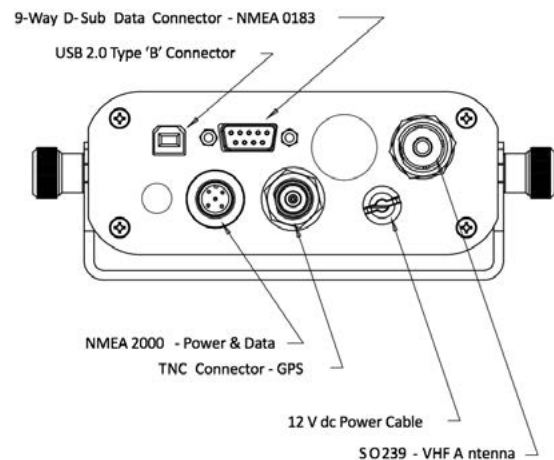
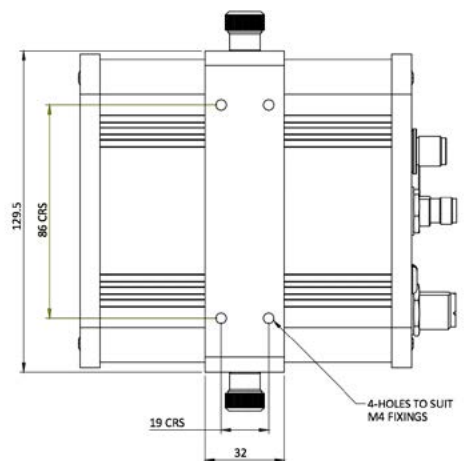
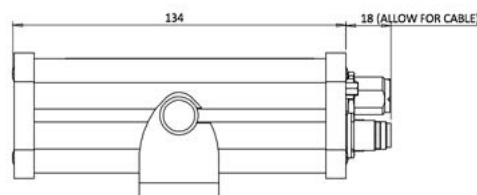
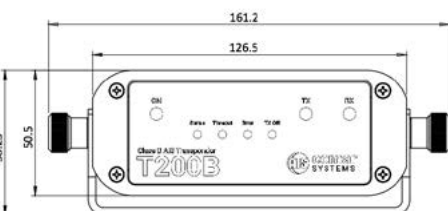
[AV400](#) - Commercial Antenna for AIS

[AG100](#) - GPS Antenna

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

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

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



Copyright © 2018 Comar Systems Ltd. - T200B Datasheet v06r01

Vittlefields Technology Centre, Forest Road, Newport, Isle of Wight, United Kingdom. PO304LY
Comar Systems Ltd. reserves the right to make changes to its products and specifications without prior notice.

ENVIRONMENTAL	
IP Rating:	IP40
Operating temp:	-15°C to +55°C
Compass:	Safe Distance 50 cm

APPROVALS	
Conforms with:	IEC 62287-1 Class B; EN-60945; IEC 61162-1; IEC 61108-1; EN 301 843-1 v2.1; EN 50383; EN 60950-1; ITU-RM.1371-1; CE European; BSH Germany

ADDITIONAL	
Supplied:	CSB200 Transponder; trunnion bracket; power, data and programming cables; installation software
Required:	GPS Receive Antenna AG100 for AIS re-transmission of Vessel Position
Required:	AIS Antenna