AIS CARBON PRO

Affordable, robust and high performance AIS Class-A Transponder

INCREASE YOUR SAFETY, SEE AND BE SEEN

The AIS CARBON is an Automatic Identification System (AIS) Class A transponder with both receiving and transmitting capabilities. The AIS CARBON PRO makes it possible to navigate and display all vessels equipped with AIS transponders and at the same time be seen by other vessels or coastal stations equipped with AIS equipment.

Solas Approved
The AIS CARBON PRO Class-A transponder is fully approved according to SOLAS requirements making it possible to see and are seen by other AIS fitted vessels, special AIS devices and coast stations.

Inland waterway approved
The AIS CARBON PRO Class-A transponder is also fully approved for inland waterway AIS Standards.

Easy to install
The AIS CARBON PRO is easy to install and operate through a userfriendly interface provided by the built in LCD display. The unit includes a GPS antenna with 10 m cable

AIS is mandatory
AIS is mandatory for all SOLAS vessels above 300 GT on international trafffic. Further European inland waterways has AIS carriage requirement and fishing vessels above 15 m will be required to install Class A AIS between 2012-2014 depending on size.

KEY FEATURES

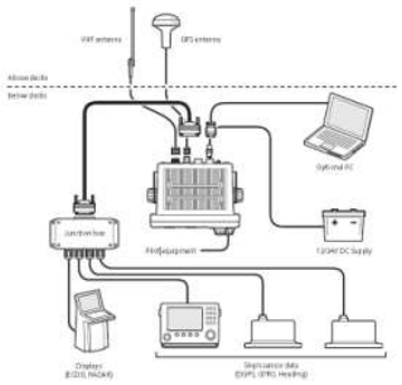
- Class A AIS transponder
- Solas Approved
- IMO/MED certified
- Easy to Install

True Heading AB tel: +46 08 622 26 60 email: info@trueheading.se www.trueheading.se

TRUE HEADING

FEATURES

- Compact single box design
- Approval: FCC and USCG standard in USA, Wheel Mark/MED,IEC certified in Canada
- Display graphically AIS data target overlay on standard radars and multifunction chart displays
- Rotary encoder for quick selection and data entry using two soft keys
- Easily upgradeable through PC software via RS232 — 9 way D type connector
- Built in 16 Channel GPS receiver with antenna
- High contrast mono-chrome LCD for clear presentation of data
- Dual mode Class A/Inland AIS configurable via built-in menu
- Fully compatible with True Heading GPS Compasses
- Configuration and set up software
- Data display for MMSI, vessel name, call sign, vessel type, etc.
- Auto configuration for safety related message
- GPS display of position, COG and SOG
- GPS diagnostics
- Key status indicators
- Shows Transponder software and firmware version
- Displays receiver and transmitter statistics
- Displays Class A, Class B, base station and A to N target data
- Real time display for serial data output
- Two year warranty and world wide service



TECHNICAL SPECIFICATIONS

Physical

W x H x D:	210 x 105 x 138 (mm) 8.3 x 4.2 x 5.4 (inches)
Weight :	1,6 kg

Electrical Power supply range: 12-24 VDC

Power consumption :	10 W (average) 4,75 A peak @ 12 VDC

Data Interfaces

RS232:	38.4kbaud bi-directional
RS422 (NMEA)	38.4kbaud bi-directional
Connectors:	VHF Antenna (UHF, SO-239) GPS Antenna (TNC) Data connector: 9 way D type Power: LTWBB-04PMMS-LC7001
Interfaces & alarm relay:	Via 50 way D-type junction box.
	NMEA 2000: LTWBD-05PMMs-LC7001
Operating temperature:	15°C to +55°C

Environmental: IEC 60945 - Cat. C

VHF Transceiver

One transmitter and three receivers

Frequency :	156.025 to 162.025 MHz
Output power:	(41 dBm ± 1.5 dB) Channel bandwidth: 25 kHz
Sensitivity :	better than -107dBm @ 20% PER

GPS Receiver (AIS internal)

16 Channel (WAAS, EGNOS, MSAT support)

Position accuracy:	< 3 meters CEP (GPS) < 2 meters CEP (DGPS)

Compliance

FCC, USCG, Type EU, IEC, CE, RoHs

Approval and standards as applicable:

CCNR/ZKR Inland AIS Requirements
IEC60945 Edn. 4.0 Environmental requirements
IEC61993-2 Class A Shipborne equipment
IECIEC61162-1/2 Edn.2.0 Digital interfaces
EC61108-1 GPS Receiver equipment
ITU-RM.1371-3 Universal AIS Technical Characteristics
NMEA2000 Standard for marine networking

True Heading Dealer

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True Heading AB tel: +46 08 622 26 60 email: info@trueheading.se www.trueheading.se