

AIS CTRX GRAPHENE

Proven and reliable AIS Class B transponder



The CTRX Graphene is a Class B AIS transponder developed and manufactured in SWEDEN that receives and sends all AIS messages according to Recommendation ITU-R M.1371-4.

Besides the great radio technology the CTRX Graphene also has/can:

- Communication with external equipment e.g. plotters via NMEA2000 and/or NMEA0183
- Communication with PC via mini USB (waterproof)
- Silent button

KEY FEATURES

- Class B AIS transponder
- Silent mode function
- NMEA0183 interface
- Power input: 10 - 32 VDC

TECHNICAL SPECIFICATIONS

Quality and development

As one of the leading companies involved in AIS technology we constantly develop products for the needs of today and tomorrow. Our effort is to remain as a global leader in the exciting future of AIS.

Physical

L x W x H: 190 x 135 x 90 (mm)

Weight: 0,8 kg

LED indicators: 6

Operating temperature: -15°C to +55°C

Electrical

Power supply range: 12 to 24 VDC

Power consumption: 150mA@12VDC,<2W average

Connectors: VHF Antenna (BNC)
GPS Antenna (TNC)
Power/Data (NMEA 183, RS 422, RS 232)
USB Mini
NMEA 2000
VHF Radio (FME)*

GPS Receiver (AIS Internal)

50 Channels (SBAS support)

Position accuracy: <3 meters CEP (GPS)

<2 meters CEP (DGPS)

The AIS-CTRX GRAPHENE requires both a VHF and a GPS antenna.

Two versions of the CTRX GRAPHENE.

The CTRX GRAPHENE can be supplied in two versions; the standard CTRX GRAPHENE and the CTRX GRAPHENE+. The CTRX GRAPHENE+ contains a built in VHF antenna splitter for combined use of antenna with the VHF radio.

Transmit and Receive

The AIS CTRX GRAPHENE Class-B transponder both transmit and receive AIS information. It can receive all AIS information available e.g. AIS Class A, AIS Class B, AIS AtoN and AIS weather information.

Silent mode

The AIS CTRX GRAPHENE can with a simple push of a button be made "silent", meaning that the unit will only receive AIS data from other AIS transponders.

Easy to Install

The AIS CTRX GRAPHENE is easy to install, just connect;

- 12-24 VDC
- GPS antenna (5VDC)
- VHF antenna
- A plotter, radar and/or PC navigation software.
- With setup software PRO AIS

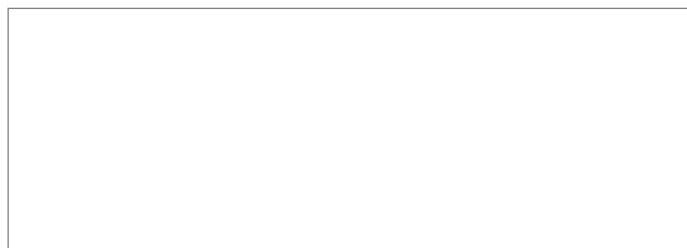
Approvals and standards

- R&TTE, CE (Europe)
- IEC60945 ed4
- IEC61108-1 (GPS) (Complaint)
- IEC61162-1/2 Ed 2
- IEC62287-1 Ed 2
- NMEA 2000 Ed 2,20
- ITU R-M 1371-4

Supplied with

- 2 m power cable
- 1 m USB cable
- Installation software and user manual on CD
- 2 m cable for connection to VHF*

*Only GRAPHENE+



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