



PROFESSIONAL STANDARD RELIABILITY

Product Code: 413-0050

# B300

## AIS CLASS B



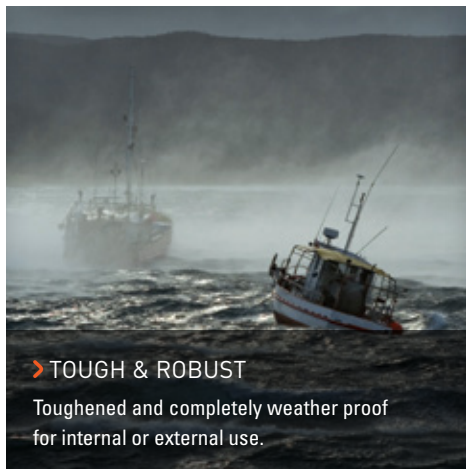


THE AIS CLASS B B300 IS A SMALL, ROBUST, INTERNATIONALLY CERTIFIED, FEATURE-RICH AIS CLASS B IDEAL FOR COMMERCIAL VESSELS OF ALL TYPES.



EM-TRAK B300 PRODUCT OVERVIEW

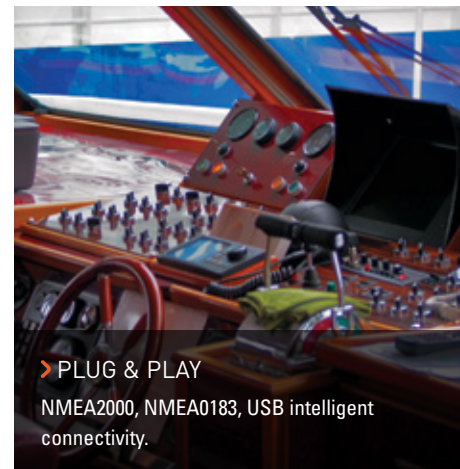
- > Global Certification
- > IP67 Waterproof
- > Integrated GPS antenna
- > Anti-tamper & security features



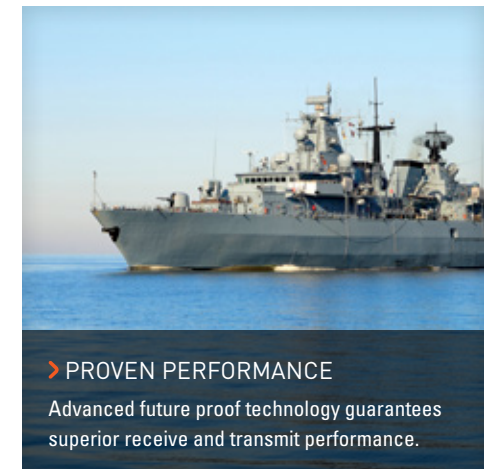
> TOUGH & ROBUST  
Toughened and completely weather proof for internal or external use.



> INTERNAL GPS ANTENNA  
Integrated high performance GPS antenna. External GPS antenna optional.



> PLUG & PLAY  
NMEA2000, NMEA0183, USB intelligent connectivity.



> PROVEN PERFORMANCE  
Advanced future proof technology guarantees superior receive and transmit performance.

## › KEY FEATURES

The em-trak B300 AIS Class B offers a unique combination of toughness and performance which is ideal for use in harsh commercial marine environments.

After fifteen years of creating marine electronics products we understand the harsh realities of the commercial marine environment. The B300 is engineered and manufactured specifically to operate reliably and securely in these conditions whilst delivering best in class AIS receive and transmit performance.

- › Fully certified AIS Class B
- › Waterproof – IP67 Certified
- › Shock and vibration proof
- › Low power consumption
- › Receives and processes all AIS message types
- › Silent mode feature
- › Multiple interfaces: NMEA0183, NMEA2000 ensures plug and play compatibility with most display systems
- › Internal GPS antenna means that an external GPS antenna is optional
- › Optional anti-tamper and security features

## › OPTIONS

The B300 can be enhanced and customised to meet a wide range of specific user and regional requirements.

- › Anti-tamper
- › Encryption
- › Configurable frequency and channels
- › Configurable SO and CS operating modes
- › Customised AIS messaging
- › Variable transmit power
- › ABSEA satellite detection enhancement technology for extended range tracking



Please contact us with your specific requirements for a quote.

## › FEATURE HIGHLIGHTS

### ANTI-TAMPER



The B300 provides the option of a sophisticated anti-tamper feature which prevents unauthorised removal and/or tampering of the device once installed.

### RUGGEDISED



The B300 is a truly ruggedised device designed to operate reliably for years without maintenance in even the harshest external marine environment.

ALSO IN THE RANGE



AIS Class A



AIS SART



AIS Receiver



Antenna Splitter

WWW.EM-TRAK.COM





## EM-TRAK – COMMITTED TO VESSEL SAFETY & SECURITY

With over twenty five years of product design and engineering heritage our products offer the very best in quality engineering, reliability, usability and operational performance. To achieve this unique mixture of quality and performance we develop and deploy the most advanced core technologies coupled with proven professional standard product design.

### EM-TRAK WARRANTY & SUPPORT

Em-trak is committed to providing the highest level of customer service. Our comprehensive global warranty ensures that in the unlikely event of a problem it will be resolved to your full satisfaction in the shortest possible time.

Further information about our warranty programme and instant advice and support for all our products can be obtained from our web site [www.em-trak.com](http://www.em-trak.com) or your local authorised em-trak dealer.

The em-trak B300 is an aid to navigation and must not be relied upon to provide accurate navigation information. AIS is not a replacement for vigilant human lookouts and other navigation aids such as Radar. The performance of the B300 may be seriously impaired if not installed as instructed in the user manual, or due to other factors such as weather and or nearby transmitting devices. Compatibility with other systems may vary and is reliant on the third party systems recognizing the standard outputs from the B300. em-trak reserves the right to update and change these specifications at any time and without notice.

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## EM-TRAK B300 FEATURES & SPECIFICATION

### DIMENSIONS & WEIGHT

› 140 x 100 x 50 mm (D x W x H) › 280g

### DATA INTERFACES

- › USB
- › NMEA2000®
- › IEC61162-1 (NMEA0183) output, 38400baud
- › IEC61162-1 (NMEA0183) input, 4800baud
- › Silent mode switch input

### POWER

- › 12 or 24V DC
- › Power consumption: 150mA @12VDC, <2W average

### CERTIFICATION

- › CE marking under R & TTE directive for Europe
- › FCC
- › Industry Canada
- › IEC Class B 'CS' AIS Standard IEC62287-1 (Edition 2.0)

### VHF TRANSCEIVER

- › Transmitter x 1 / Receiver x 2
- › Frequency: 156.025 to 162.025 MHz in 25KHz steps
- › Output power: 2W
- › Receiver sensitivity: <-110dBm @ 20% PER

### WHAT'S IN THE BOX

