CIPTA
PERNIKA
NUSANTARA
Reliable Partner for Satellite Communication

em-trak

B300

AIS CLASS B

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 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 recognising 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
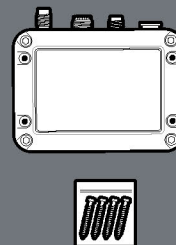- IEC61162-1 (NMEA0183) input, 4800baud
- Silent mode switch input

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

CERTIFICATION
- CE marking under RED directive for Europe
- FCC
- ISED (Industry Canada)
- IEC Class B 'CS' AIS Standard IEC62287-1 (Edition 2.0)

WHAT'S IN THE BOX
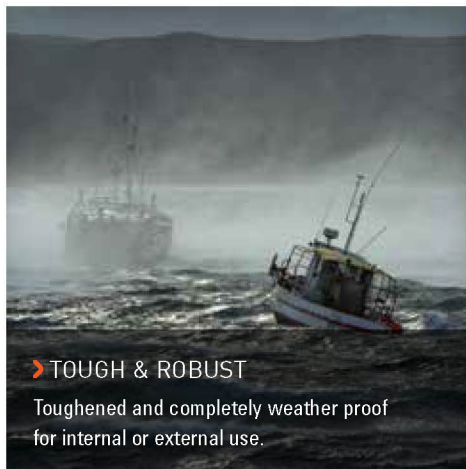
AIS Transceiver

Power and Data Cable

Product CD

Quick start guide

EM-TRAK DEALER

www.pernika.com

CIPTA PERNIKA NUSANTARA
Reliable Partner for Satellite Communication

HIGH PERFORMANCE PRODUCTS FOR MARITIME APPLICATIONS

em-trak

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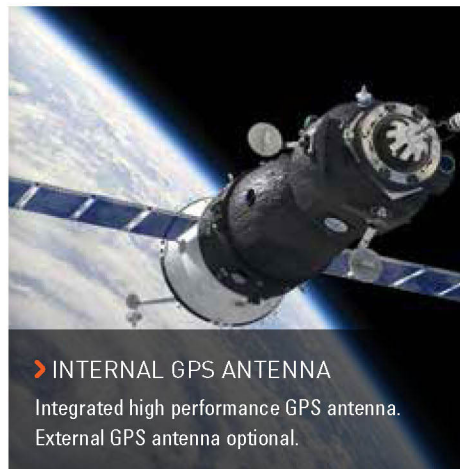
PRODUCT HIGHLIGHTS

> Global Certification
> IP67 Waterproof

> Integrated GPS antenna
> Transmit on/off

SAT-Trak   HF-AIS

> **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 HF-AIS™ technology guarantees superior receive and transmit performance.

www.pernika.com

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 and security features

CONFIGURATION OPTIONS

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

> Encryption
> Configurable frequency and channels
> Customised AIS messaging
> Variable transmit power
> SAT-Trak enhanced satellite tracking

SAT-Trak

Please contact us with your specific requirements for a quote.

FEATURE HIGHLIGHTS

TRANSMIT ON/OFF
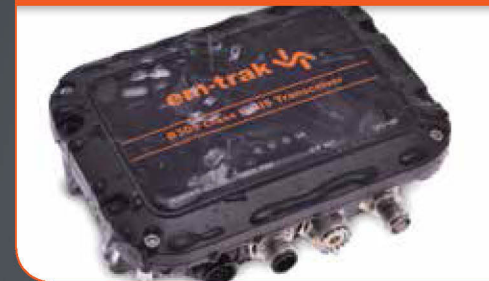
TRANSMIT ON/OFF

The B300 provides the option of transmit on / off capability allowing the user to decide whether or not to transmit their vessel location

RUGGEDISED

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

THE EM-TRAK RANGE

AIS CLASS A A100	AIS CLASS A A200	AIS RECEIVER R100	AIS SPLITTER S100	VMS TRANSCEIVER I100	VMS TRANSCEIVER BUOY-TRACK
AIS SART 100	AIS CLASS B B100	AIS CL ASS B B300	AIS CLASS B B330	AIS CLASS B B350	AIS CLASS B B360	AIS CLASS B B400

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