

Identifier AIS Class B Transponder | Maritec



FEATURES

PRODUCT CODE: 417-0001

AIS Class B Transponder with integrated VHF and GPS antennas. Internal rechargeable battery provides backup or primary power for up to 15 days continuous operation. Completely weather and water proof (IP66, IP67 and IPx8). Multiple configurable security and anti-tamper features. Ideal for small vessel tracking applications.

- Fully integrated and protected GPS and VHF antennas
- Robust. Shock and waterproof (IP66, IP67 and IPx8)
- Extensive optional features including VDR, geofence and SOS/SART
- Configurable CSTDMA or SOTDMA operation
- SAT-Trak satellite tracking technology for extended range tracking
- Secure 6 month voyage data recorder functionality option
- Anti-Tamper security features
- Integrated HF-AISTM core technology delivers exceptional operational performance
- SAT-Trak satellite tracking technology for extended range tracking

CERTIFICATION

This product is fully tested and certified to the relevant international standards and product specifications (ITU / IEC). As part of the OEM customisation process into your brand, international certification can be transferred into your brand name within a matter of weeks.

TECHNICAL DETAILS

Physical

- Dimensions: 375mm x 67mm max. (H x D)
- Weight: 350g (Identifier unit only)
- Mounting bracket: min / max pole diameter: 25mm to 55mm

Connectors

- Single waterproof power and configuration connector built into base of the Identifier

Electrical

- Power supply: Built in 2100mAh Lithium-Ion rechargeable battery pack
- Battery only: 15 days continuous operation
- Charge time: 5 hours - Charging dock supplied with universal input AC adapter

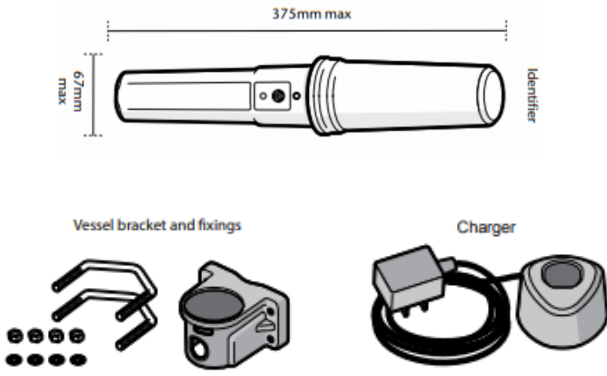

Data Interface

- USB interface for configuration (via optional configuration dock)
- Batch configuration can be performed at manufacture on request

Identifier AIS Class B Transponder | Maritec

TECHNICAL DETAILS (Continue)

<p>User Interface</p> <ul style="list-style-type: none"> • Status LED • SOS button with configurable messaging 	<p>GPS Receiver (AIS internal)</p> <ul style="list-style-type: none"> • IEC61108-1:2003-07 Ed. 2.0 compliant 50 channel receiver • WAAS / EGNOS enabled for improved position accuracy
<p>VHF Transceiver</p> <ul style="list-style-type: none"> • Transmitter x 1 • Receiver x 1 • Output power: 1 Watt EIRP • Frequency: 156.025 to 162.025 MHz • Channel bandwidth: 25KHz steps • Modulation GMSK (AIS, transmit) • Bit rate: 9600 b/s (GMSK) & 1200 b/s (FSK) • Receiver sensitivity: < -107 dBm 	<p>Certification</p> <ul style="list-style-type: none"> • AIS Standard: IEC62287-1:2010-11 (Relevant parts of) IEC61097-14:2010 I ITU-R M.1371-4 • Environmental: IEC60945:2002-08 Standard • Safety: EN60950-1:2006 +A11:2009 Standard +A1:2010 +A12:2011 • GPS Performance: IEC61108-1:2003-07 Standard •
<p>Environmental</p> <ul style="list-style-type: none"> • IEC 60945: 'Portable' category • Waterproof: Certified IPx8 Waterproof • Operating temperature: -20°C to +55°C 	<p>Configuration</p> <ul style="list-style-type: none"> • The Identifier can be configured to operate in either CSTDMA or SOTDMA modes • Transmit frequency, security features, geo-fence, emergency alerts can all be configured •

<p>SUPPLIED WITH (in the box)</p> <ul style="list-style-type: none"> • Identifier with integrated VHF & GPS antennas • Vessel bracket and fixings (Product code: 417-0025) <p>The identifier is fixed into position using the secure vessel bracket and fixings system.</p> <ul style="list-style-type: none"> • Charger (Product code: 417-0020) 	<p>OPTIONAL ACCESSORIES</p> <ul style="list-style-type: none"> • Programming Kit and PC Tool (Product code: 417-0006) <p>The identifier must be programmed prior to installation. Units can be supplied pre-programmed or multiple units can be programmed locally using the programming kit and PC tool.</p> 
---	---