



FEATURES

Fully certified and integrated Type 1 AIS AtoN with internal rechargeable battery. Designed for quick and easy deployment on even the smallest buoys. Able to operate for over 5 days between charges or connect directly to an external power source for permanent installations. Unique secure quick fit bracket system.

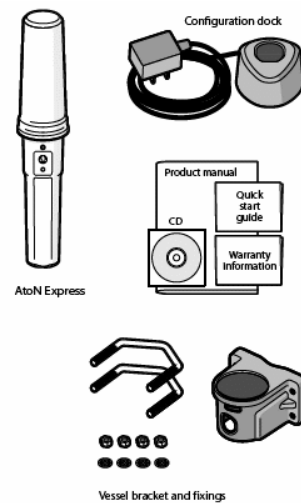
- Certified Type 1 AIS AtoN
- Integrated and protected GPS & VHF antennas
- Internal rechargeable battery
- Ultra low power consumption
- Easy to install

CERTIFICATION

This product is fully tested and certified to the relevant international standards and product specifications (FCC (USA), Industry Canada and R&TTE (CE) Type Approval).

SUPPLIED WITH (in the box)

- AIS AtoN Express with integrated VHF & GPS antennas
- Mounting bracket and fixings
- USB configuration dock and charger
- Configuration software
- User and installation guide



SPECIFICATIONS

AtoN Functions

- Type 1 FATDMA operation only
- Message #21 transmission only

Physical

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

Electrical

- Power supply: Built in 2100mAh Lithium-Ion rechargeable battery pack
- Operating time: Up to 5 days operation at 5 minute reporting interval
- Optional external power supply (12 to 24VDC)
- Power consumption from external supply <0.1Ah / day with 3 minute position reporting interval

VHF Transmitter & antenna

- Transmitter x 1
- Output power: 1 Watt EIRP
- Frequency: 156.025 to 162.025 MHz
- Channel bandwidth / step: 25KHz
- Modulation GMSK (AIS, transmit)
- Bit rate: 9600 b/s (GMSK)
- Internal VHF antenna

GPS Receiver and Antenna

- 50 channels
- IEC 61108-1 compliant
- Internal GPS antenna

Environmental

- IPx6 and IPx7 rated for water ingress
- IEC 60945 'Exposed' category
- Operating temperature: -15°C to +55°C

Designed to be compliant with the following standards

- AIS Standard: IEC62320-2 Ed. 1 2008-03, AIS AtoN Stations
- AIS Standard: ITU-R M.1371-5, Universal AIS Technical Characteristics
- Environmental: IEC60945 2002-08
- GPS Performance Standard: IEC61108-1 2003-07
- Product Safety: EN60950-1 2006,+A11 2009,+A1 2010,+A12 2011

Interfaces

- USB for configuration only

OTHER PRODUCT



Specifications and features may change without prior notice.