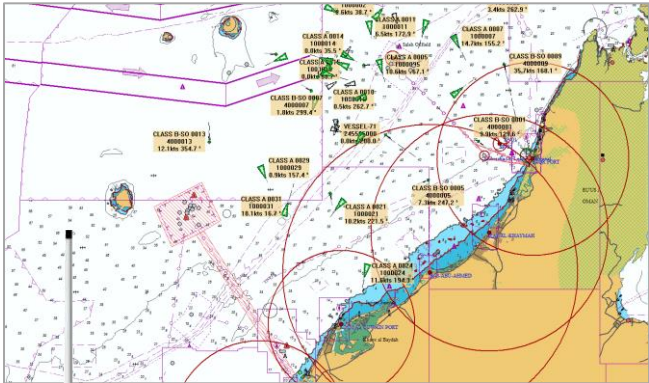# AIS AtoN SERIES (Type I)

NAN-1000/2000/4000/5000

- Dual functions: Real and Virtual AtoN
- Each transmits for up to 50 virtual AtoN
- TX power up to 12.5W, wide coverage
- Very low power consumption
- Compact design, maintenance-free

NAN-1000 **NAN-2000** **NAN-4000** **NAN-5000**

Model No.	Shape	Output Power	GPS Antenna	VHF Antenna	Power Supply
NAN-1000	Radome Type	12.5 W	Inside	Inside	12～18 V
NAN-2000	UFO Type	12.5 W	Inside	Separate	12～18 V
NAN-4000	Pole Type	4.0 W	Inside	Outside	12～18 V
NAN-5000	Box Type	12.5 W	Separate	Separate	12～18 V

AIS   GPS   BDS

FEATURES

- AIS AtoN station is used for light monitoring from AtoN administration. AIS AtoN station's transmission can be received by shipborne AIS to learn the position & status of the AtoN.

- As Type I defined by IALA, NAN-X000 is specially designed to be used for buoys, which carries limited batteries to supply any additional electronic equipment.

- NAN-X000 can be used for below applications:
- AtoN in River or at Sea
- Offshore and oil platform
- Oceanic buoys
- Electronic fence in water
- Offshore wind farm
- Electronic passage by bridge

- NAN-X000 is designed to transmit messages both for real and virtual AIS AtoN. For example, NAN-X000 can be used by harbor authority to establish virtual AIS AtoN channel. When shipborne AIS receives those transmissions, a series of AtoN symbols will be displayed on electronic chart.

- NAN-X000 conforms to the international standards such as IALA A-126, IEC 62320-2, ITU-R M.1371-5 and IEC 60945.
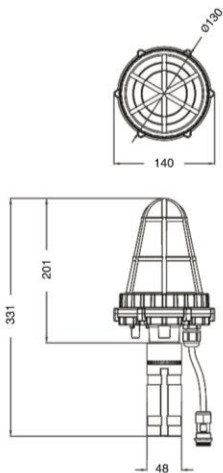
SPECIFICATIONS

- TX Frequencies: AIS 1, AIS 2
- Communication Mode: FATDMA, RATDMA
- Message Type: MSG 6, MSG 21 (default)
- TX Interval: 3～60 minutes (to be configured)
- TX Power: 12.5 W (NAN-1000/2000/5000)
  2 W (NAN-4000)
- Power Consumption: ≤40 mA (12V)
- Interface: RS232, NMEA 0183
- Operating Temperature: -15℃～+55℃
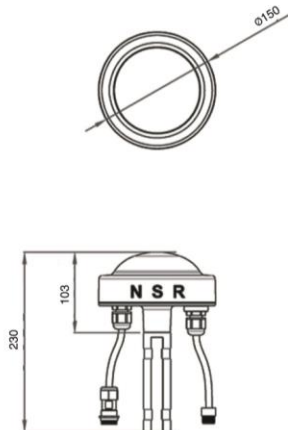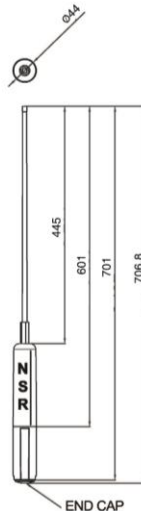- Power Supply: Nominal DC 12 V (range 12～18 V)
- IP grade: IP 66

SIZE DIMENSION

NAN-1000   NAN-2000   NAN-4000   NAN-5000

※ *Specifications subject to change without notice*