NAS-1000 AIS-SART equipment

Type approval with MED, CCS and VR

NAS-1000 AIS-SART is designed to use for emergency purpose on liferaft. According to the relative IMO rule, either AIS-SART or traditional RADAR-SART (Search and Rescue Transponder) can be accepted as "SAR LOCATING DEVICE" to be a member of onboard GMDSS family from January 1st, 2010.

Compared to RADAR-SART, AIS-SART has advantage in some aspects, such as farther-reach transmission and less affect from sea conditions. With more and more vessels to be fitted with AIS, AIS-SART will become more effective and useful in SAR operations.

NAS-1000 is designed to transmit a serial of messages on two AIS channels periodically. With unique and special MMSI pre-configurated, alerts from AIS-SART can be easily recognized and read, which is sent both in position report and safety message.

NAS-1000 adopts low consumption design to ensure the product to continuously operate more than 96 hours.

NAS-1000 conforms to the latest rules including IMO MSC.246 (83) and IEC 61097-14.
**SPECIFICATIONS**

- **TECHNICAL SPECIFICATIONS**
  - TX Channel: AIS 1 (CH2087), AIS 2 (CH2088)
  - FREQ Tolerance: $\leq 0.5 \text{kHz}$
  - Communication Range: $\geq 5 \text{ nm}$
  - Operating Hours: $\geq 96 \text{ hours}$
  - GPS Fixing Time: $\leq 1 \text{ minute}$

- **BATTERY REQUIREMENTS (NBT100)**
  - Battery Voltage: DC 7.2V
  - Storage Temp.: $-30^\circ \text{C} \sim +70^\circ \text{C}$
  - Shelf Time: max 1 year
  - Expiry Time: 5 years since on board

- **WORKING ENVIRONMENTS**
  - Operation Temp.: $-20^\circ \text{C} \sim +55^\circ \text{C}$
  - Floating Type: Floatable

- **DIMENSION & WEIGHT**
  - Dimension: 95 (D) $\times$ 377 (L) mm
  - Weight: 900g

**EQUIPMENT LIST**

- **STANDARD**
  - Transmitter (NAS-1000) 1 pc
  - Installation Bracket 1 pc
  - Tele-Pole (1.5m) 1 pc
  - Accessories 1 set

**SIZE DIMENSION**

※ Specifications subject to change without notice.