

- High compatibility and stability
- Type approval with CCS



- Designed to use for emergency purpose on life raft.
- Adopts low consumption design to ensure the product to continuously operate more than 96 hours.
- The Search and Rescue Radar Transponder (SART) is a 9 GHz receiver / transmitter which provides a position.
- The fundamental function of the SART is to indicate its position by producing range and bearing information on any 9 GHz radar screen of any nearby vessels and aircraft.
- When its RADAR receiver is triggered by an interrogating RADAR of 9 GHz band on a search and rescue ship or aircraft, the SART immediately transmits a coded response signal (a series of 12 dots).
- Conforms to the latest standards including IMO A.802 (19), IMO MSC.510 (105) and IEC 61097-1.



## SPECIFICATIONS

### ● TECHNICAL SPECIFICATIONS

- TX Frequency: 9.2~9.5 GHz
- Polarization: Horizontal
- Radiated Power: 400 mW E.I.R.P
- Receiver Sensitivity: Better than -50 dBm

### ● BATTERY REQUIREMENTS (NBT100)

- Battery Voltage: DC 9V
- Storage Life: Max 5 years on board (plus one year of shelf time)
- Operating hours:  $\geq 96$  hours standby + 8 hours continuous transmission (interrogated with a pulse repetition frequency 1Hz)

### ● SIZE & WEIGHT

- Size: 95 (D)×377 (L) mm
- Weight: 750 g

### ● WORKING ENVIRONMENTS

- Operating Temp: -20°C~+55°C
- Storage Temp: -40°C~+70°C
- Floating Type: Floatable
- IP Grade: IP67

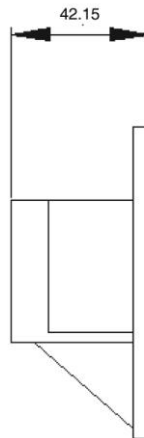
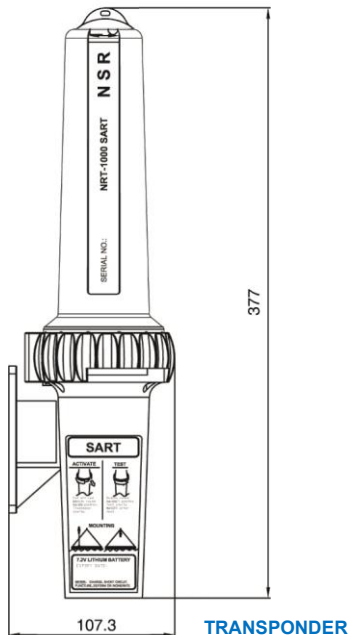
## EQUIPMENT LIST

### ● STANDARD

- |                     |          |       |
|---------------------|----------|-------|
| - Transponder       | NRT-1000 | 1 pc  |
| - Mounting Bracket  |          | 1 pc  |
| - Tele-Pole (1.5 m) |          | 1 pc  |
| - Accessories       |          | 1 set |



## SIZE DIMENSION



**MOUNTING BRACKET**

