

SART (Search and Rescue Radar Transponder)

NRT-1000

- High compatibility and stability
- Type approval with CCS



- Designed to use for emergency purpose on the 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 that 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)

- Storage Life: Max 5 years on board (plus one year of shelf time)
- Operating hours: ≥ 96 hours standby + 8 hours continuous transmission
(interrogated with a pulse repetition frequency of 1Hz)

● SIZE & WEIGHT

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

● WORKING ENVIRONMENTS

- Operating Temp: -20°C ~ +55°C
- Storage Temp: -40°C ~ +70°C
- Floating Type: Floatable
- Watertight: At a depth of 10m for at least 5 min

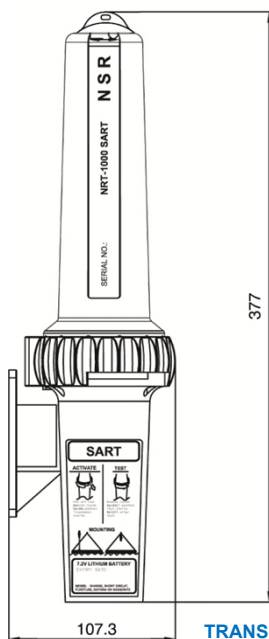
EQUIPMENT LIST

● STANDARD

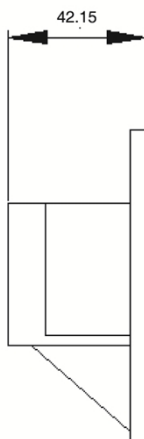
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|---------------------|----------|-------|
| - Transponder | NRT-1000 | 1 pc |
| - Mounting Bracket | | 1 pc |
| - Tele-Pole (1.5 m) | | 1 pc |
| - Accessories | | 1 set |



SIZE DIMENSION



TRANSPONDER



MOUNTING BRACKET

