

# AIS, GMDSS & PLB Equipment

SKU - 40020782

## Tron AIS-SART with Bulkhead Bracket



### DESCRIPTION

The Jotron Tron AIS-SART, a cutting-edge search and rescue transmitter seamlessly combining compact physical size with technical capabilities. Mirroring Jotron's renowned Tron SART20 radar-SART in housing, this device stands at a total height of 251 mm and weighs a mere 450g. Technically proficient, the Tron AIS-SART is programmed with a unique ID code by the manufacturer and utilises an internal GPS antenna for precise positioning. Transmitting data through international AIS channels (AIS A and AIS B) in the maritime VHF band, this GMDSS-compliant device ensures effective search and rescue operations. It is "Wheel Marked" in compliance with European Council Directive 96/98/EC and the latest Commission Directive 2011/75/EU (7th amendment).

### KEY FEATURES

- **Robust GMDSS Transmitter:** Proven performance in distress situations, meeting global maritime communication standards.
- **IMO RES MSC. 256 (84) Adoption:** Recognized alternative to 9GHz SART, ensuring compliance with international maritime regulations.
- **Unique AIS Technology:** Enhances SAR operations with precise position accuracy, reducing response times.
- **AIS Detection on Class A and B:** Improves visibility for vessels of all sizes in diverse maritime scenarios.
- **Small and Compact Design:** Space-efficient and easily installed on various vessels for diverse maritime applications.
- **Universal Accessories Compatibility:** Tron AIS-SART and Tron SART20 share common accessories for streamlined maintenance.
- **Proven Performance Distances:** Reliable signaling capabilities up to 10 nm from a SOLAS ship, 40 nm from a SAR helicopter, and 130 nm from a SAR aircraft.
- **Specifications:** Comprehensive technical details for informed decision-making on suitability for specific maritime needs.

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### SPECIFICATION

- **Weight:** 480 g
- **Dimensions:** H: 250 mm, W: 89 mm
- **Material Housing:** Glass reinforced polycarbonate
- **Frequency:** 161.975 and 162.025 MHz
- **Radiated Power:** 1 W
- **Antenna Height:** Place at least 1 meter above sea/ground level
- **Indication:** Visual and audible alarm
- **Temperature Range:** Operating: -20°C to +55°C, Storage: -30°C to +65°C
- **Battery:** 7.2 V Primary lithium battery, 5-year service life
- **Operating Life:** 96 hours continuous operation at -20°C
- **Standards:** IEC 61097-14:2010, IEC60945, MSC.246(83), MSC.247 (83)

### TECHNICAL INFORMATION

#### Proven Performance Distances:

- Up to 10 nm from a SOLAS ship with AIS class A transponder
- Up to 40 nm from a SAR helicopter (altitude 1000 ft)
- Up to 130 nm from a SAR aircraft (altitude 20000 ft)

#### Operating life:

- 96 hours continuous operation at -20°C

#### Battery:

- 7.2 V Primary lithium battery. 5 year service life

#### Standards:

- IEC 61097-14:2010, IEC60945, MSC.246(83), MSC.247 (83)