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# Tron AIS-SART

SEARCH AND RESCUE TRANSMITTER



[www.jotron.com](http://www.jotron.com)



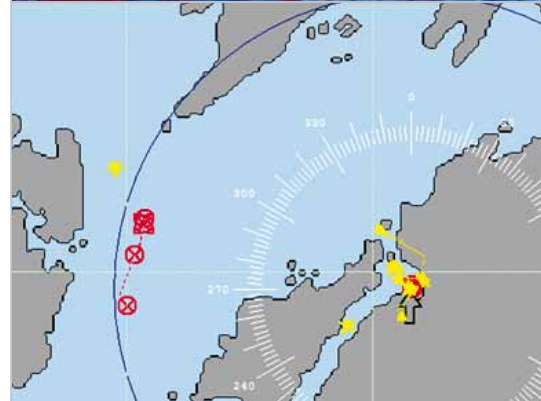
# ▶ Tron AIS-SART

## GMDSS SEARCH AND RESCUE TRANSMITTER

- Adopted by IMO RES MSC. 256 (84) as an alternative to 9GHz SART
- Unique AIS technology contribute to a more effective and less time consuming SAR operation, due to superior position accuracy
- The AIS-SART is detected on both AIS Class A and B
- Small and compact
- Jotron Tron AIS-SART use the same accessories as the Tron SART20 (Bulkhead bracket, pole, life-boat bracket and neoprene protection bag)

Proved performance:

- 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)



| SPECIFICATIONS     |  |
|--------------------|--|
| <b>TECHNICAL</b>   |  |
| Weight:            | 450g (16 oz)   |
| Height:            | 251 mm (9 7/8")  |
| Material housing:  | Glass-reinforced Polycarbonate   |
| Frequency:         | 161.975 and 162.025 MHz (AIS 1 and 2)  |
| Radiated power:    | Minimum 1W ERP (+30 dBm)   |
| Time to GPS fix:   | Typically less than 2 min when operated in an area with good satellite coverage.               |
| Signaling:         | Broadcasts position message, 8 bursts every minute.<br>Broadcast safety message; "SART ACTIVE" |
| Position update:   | Every minute   |
| Antenna pattern:   | Vertical polarization  |
| Antenna height:    | Place at least 1m (3.3 ft) above sea/ground level  |
| Indicators:        | Transmitter and GPS system operating   |
| Temperature range: | Operating: -20°C to +55°C (-4°F to +131°F)<br>Storage: -30°C to +65°C (-22°F to +149°F)        |
| Battery:           | Lithium, non hazardous battery for safe and unrestricted transportation                        |
| Operating life:    | Minimum 96 hours   |
| Standards:         | MSC.246(83), ITU-R M.1371, IEC 61097-14, IEC 60945, SOLAS convention                           |
| <b>ACCESSORIES</b> |  |
| Brackets:          | Bulkhead bracket<br>Lifeboat bracket   |
| For life raft:     | Life raft mounting pole<br>Neoprene bag and strengthened lanyard<br>Life raft mounting strap   |
| <b>WARRANTY</b>    |  |
|                    | 5 years  |



**Agent/Distributor:**

Jotron AS reserves the right to change the design and/or specifications at any time without prior notice. Reservations are also taken towards any general errors that may occur.

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