

AIS, GMDSS, and PLB

SKU - 40020795

Jotron Tron TR30 AIR Emergency Radio



DESCRIPTION

Jotron Tron TR30 AIR VHF AM Radio: SOLAS-compliant, robust design with floating capability for reliable communication in extreme maritime environments. Features noise-cancelling microphone, high-output loudspeaker, and hands-free adaptability for efficient emergency communication during critical operations at sea.

KEY FEATURES

- **SOLAS Compliance:** Tron TR30 AIR (part no. 101700) is the only approved emergency VHF AM radio in compliance with SOLAS 74 reg. IV / 7 MSC 80(70).
- **Mandatory Safety Equipment:** A mandatory safety emergency radio on SOLAS passenger vessels, MODU fleet (Mobile Offshore Drilling Units), and Polar Coded vessels.
- **MED-B Approved:** Tron TR30 AIR is MED-B approved, ensuring adherence to strict maritime safety standards.
- **Optimised Sound Quality:** Developed in collaboration with end-users, the user-friendly design ensures optimised sound quality under all conditions, enhancing both transmission and reception.
- **Water-Proof and Floating:** The emergency VHF AM radio is water-proof (IP67) and floats with either battery, ensuring functionality and accessibility even in challenging marine environments.
- **Comprehensive Package:** Delivered with a sealed emergency battery, test battery, hand strap, and a radio and battery holder, providing a complete and ready-to-use emergency communication solution.
- **Wide Certification:** FCC, RED, CE, ANATEL, MED-B, and MER certified, attesting to the radio's compliance with various international standards, ensuring reliability and performance..

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SPECIFICATION

- **Operating Temperature Range:** -20°C to +55°C (-4°F to +131°F)
- **Operating Time (Multi-Usage):** -20°C > 20 hours

Dimensions:

- Width: 61 mm
- Height: 157 mm
- Depth: 40 mm
- Depth with Belt Clip: 47 mm
- **Full Buoyancy:** Yes
- **Weight:** Approximately 300 g (battery included)
- **IP Code:** IP67

Transmitter:

- **Frequency (2 Channels):** 121.5 MHz, 123.1 MHz
- **Channel Spacing:** 25 kHz
- **Transmitter Output Power:** 0.25 W (DC), PEP < 1 W
- **Modulation AM:** > 70%
- **Harmonics and Spurious:** < 0.25 μ W
- **Frequency Error:** < +/- 500 Hz

Receiver:

- **Frequency (2 Channels):** 121.5 MHz, 123.1 MHz
- **Modulation:** AM
- **Channel Spacing:** 25 kHz
- **Maximum Usable Sensitivity:** < 2 μ V for 12 dB SINAD (typ. 1 μ V)
- **Adjacent Channel Rejection:** > 70 dB
- **Spurious Response:** > 70 dB
- **Harmonic Distortion:** < 5% (typ. 2%)
- **Internal Speaker Output Power:** > 200 mW (typ. 350 mW)
- **Speaker Mic. Output Power:** 15 mW (8 Ω)

TECHNICAL INFORMATION

Certifications:

- SOLAS 74 reg. IV / 7 MSC 80 (70)
- FCC, RED, CE, ANATEL, MED-B and MER certified