



CRT100

[SART] GMDSS Search & Rescue Radar Transponder

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CRT 100 is designed to comply with GMDSS requirement related with performance standards for survival craft Radar Transponder.

The fundamental function of the CRT100 is to indicate its position by producing range and bearing information on any 9 GHz radar screen of any nearby ship, vessels and aircraft

CRT100 is lowest price, stability, easy installation, durable structure and lightweight.

PRODUCT COMPONENTS

CRT100(main unit) / Pole / Bracket / Lanyard & Ring

GENERAL CHARACTERISTICS

- Temperature range: -20°C to +55°C
- Storage temperature: -30°C to +70°C
- BATTERIES
 - Operating life : Up to 96 hours in stand-by mode and 8 hours in continuous operation.
- DIMENSIONS
 - Outer diameter: 93mm (without mounting bracket)
 - Height: 325mm
- WEIGHT: 760g

TECHNICAL SPECIFICATIONS

- FREQUENCY
 - 9.2 - 9.5 GHz
 - Polarization: Horizontal
- ANTENNA
 - Horizontal: Omni directional < $\pm 2\text{dB}$
 - Vertical: $\pm 12.5^\circ$
- TRANSMITTER
 - Sweep rate: Forward 7.5 μs nominal $\pm 1\mu\text{s}$
Return 0.4 μs nominal $\pm 0.1\mu\text{s}$
 - Radiated power : > 400mW(26dBm)
 - Response delay: < 0.5 μs nominal
- RECEIVER
 - Effective sensitivity: < -50 dBm
 - Recovery time: < 10 μs



Pole



Bracket



Lanyard & Ring

[Manufacturer Info.]



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