



# SART Course

**SART Course is designed to be used in lifeboats and life rafts. Easy mounting on vessel bulkheads. SART (search and rescue radar transponder) is indented for use in search and rescue operations. SART Course gives the exact location of the distressed indicated on the radar X-band display of any nearby ship, SAR vessels and aircraft. Complies with IMO/SOLAS/GMDSS regulations. MED approved.**

SART Course has wheel-mark (GL), type approval of Russian and Ukrainian Register of Shipping.

The SART operates in the band of 9-GHz and begins to transmit emergency signal when interrogated by a 9-GHz radar from an approaching vessel or aircraft.

The SART Course has a visual indication of the radar signals reception. It operates for a minimum period of 96 hours in the stand-by mode plus 8 hours of continuous operation when interrogated by a radar. Using SART Course pays particular attention on its above sea level position and provide true-vertical



## MAIN SPECIFICATIONS

Frequencyrange, GHz:	9,2 ... 9,5
Receiversensitivity, dbm:	-50
Effective emission power, W:	0,6 (byrequiredof 0.4)
Weight (Without container with elements of power supply), kg:	1,1
Powersupply, V:	7
Dimensions, mm:	
- length	90
- diameter	34
Lifetime, years:	12 years
Service life period of the batteries:	5 years
Cylindrical bracket to elevate the device above the sea level:	1 meter
Floating lanyardlength:	7 meters
SART shellmaterial:	ABS plastic and stainless steel

mounting for the device. This provides more sufficient operation of the device: range of action increases to 30 miles (for a plane) and to 15-18 (for vessels)!

Many commercial ships are required by IMO regulations to carry at least 2 SARTs, which must be carried to the liferafts when ship abandoning. When any rescue vessel with marine X-band radar (9.2 to 9.5GHz) comes within 7 miles of the liferaft, the SART generates a line of 12 radial dots on its radar display, clearly indicating a distress situation and the position of the liferaft.

Operating temperature: from -20 to +55 t °C  
 Operating time for -20 t °C : 96 hours in stand-by mode, 8 hours in response mode  
 Operating time for +20 t °C : about 200 hours

Impact tolerance: it is possible to drop in water from 20 meters height.  
 Warranty: 12 months  
 Delivery set:  
 SART with batteries  
 Vertical surface mount bracket  
 Cylindrical bracket to elevate the device above the sea level  
 Users manual

Conformance to standard:  
 SOLAS74, as amended, Regulations III/4, III/6.2.2, IV/7.1.3, IV14 abd X/3  
 IMO Resolutions MSC.97(73), 2000HSC Code, 8.2.1.2, 13.17.1, 14.7.1.3  
 IMO Resolutions A.530(13), A.694(17), A.802(19), A.813(19)  
 ITU-RM.628-3(11/09)  
 EN 61097-1(1993, IEC 61097-1(1992), EN60945(2002), IEC 60945(2002)



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