

ESR-06

Radarsart



Chengdu Spaceon Technology Co., Ltd.

Main features >

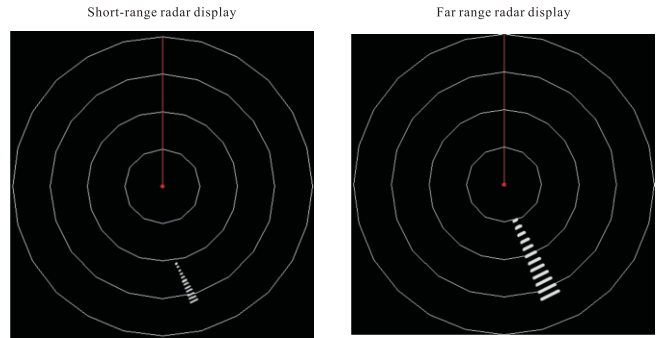
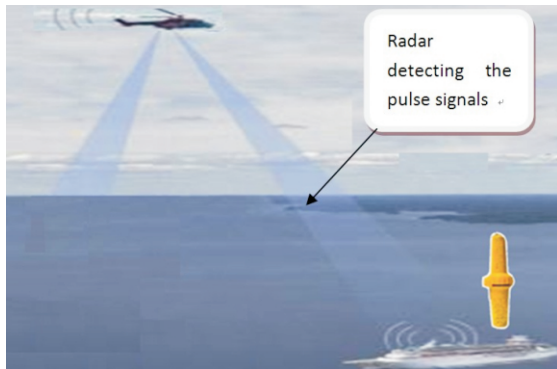
ESR-06 radar SART serves for GMDSS and display the ownship(distress ship)information like distance and orientation on the 9GHz radar screen equipped on the near-by vessel and helicopters.

The design and test meet IEC-1097-1 and (ITU-R)M. 628-2S standards and has passed CCS approval certification.

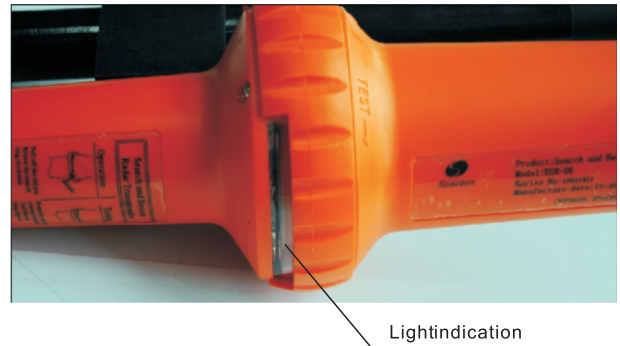
Reliable working, simple operation, convenient for carrying and easy to find.

Basic Functions >

The radar SART signals would display the accurate location of the radar SART on the radar screen on the rescue boat or helicopter under the effect of radar detecting pulse of the rescue boat or helicopter



The radar SART can make optic-acoustic indication once receiving detecting pulse signals from radar, so that the survival or the distress ship equipped radar SART would know there is rescue boat or helicopter approaching.



Optic-acoustic Indication			
Radar detecting pulse signal			
NO		YES	
Sound indication	Light indication	Sound indication	Light indication
3 times mono signal while start-on	Red	Continuous mono signals	Green

Technical Specification >

Technical Specification			
Receiving signal	Receiving power		Output frequency coverage
	MAX	MIN	9200MHz _{-60MHz} ~ 9500MHz _{+60MHz}
Inquiry radar pulse ≤ 100 ns	+18dBm	-37dBm	Responding signal
			12 times
Inquiry radar pulse ≥	+18dBm	-50dBm	Lasting time
			100μs(standard value)
Trigger recovering time	≤ 10μs		Scanning rate
Effect antenna height	≥ 1m		200MHz/5μs(standard value)
Antenna vertical beam width	±12.5°(minimal)		Scanning waveform
Antenna orientation beam width	Within ±2dB Omnidirection		Sawtooth wave
Delay time of from receiving searching radar signal to starting sending responding signal			Scanning orientation
			Responding start from anticlockwise
		Scanning time	Forward
			7.5μs±1μs
		Radiation power	Backward
			0.4μs±0.1μs
		Omnidirection	≥26dBm
			≤0.5μs

Environment		Others		
Operation temperature	-20℃~55℃	Able to float on the water without impact from seawater or oil.		
Storage temperature	-30℃~65℃	Equipment list		QNTY.
EMC	Meets IEC-1097	Standard allocation	ESR-06	1 Set
Vibration	Meets IEC-1097		Mounting frame	1 Piece
Leak proof	Water-proof		Nylon line	10 m

Technical support >

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