

Samyung SART

GMDSS
9 GHz SEARCH & RESCUE
RADAR TRANSPONDER
SAR-9

NEW



Complied with related
IMO/GMDSS requirements.



SAMYUNG ENC Co.,Ltd.

SAMYUNG SART(SAR-9) GMDSS 9 GHz RADAR TRANSPONDER

Samyung SAR-9 is a Radar Transponder, which is operated in 9.2~9.5 GHz(3cm) marine radar band. When a radar signal is received from a SAR craft, the SAR-9 automatically starts to transmit a response signal echoing to that Radar.

SAR craft can identify SART's location on the radar screen with 12 in-line dots.

Once activated, the SAR-9 will remain in stand-by condition for 96 hours followed by minimum 8 hours transmission.

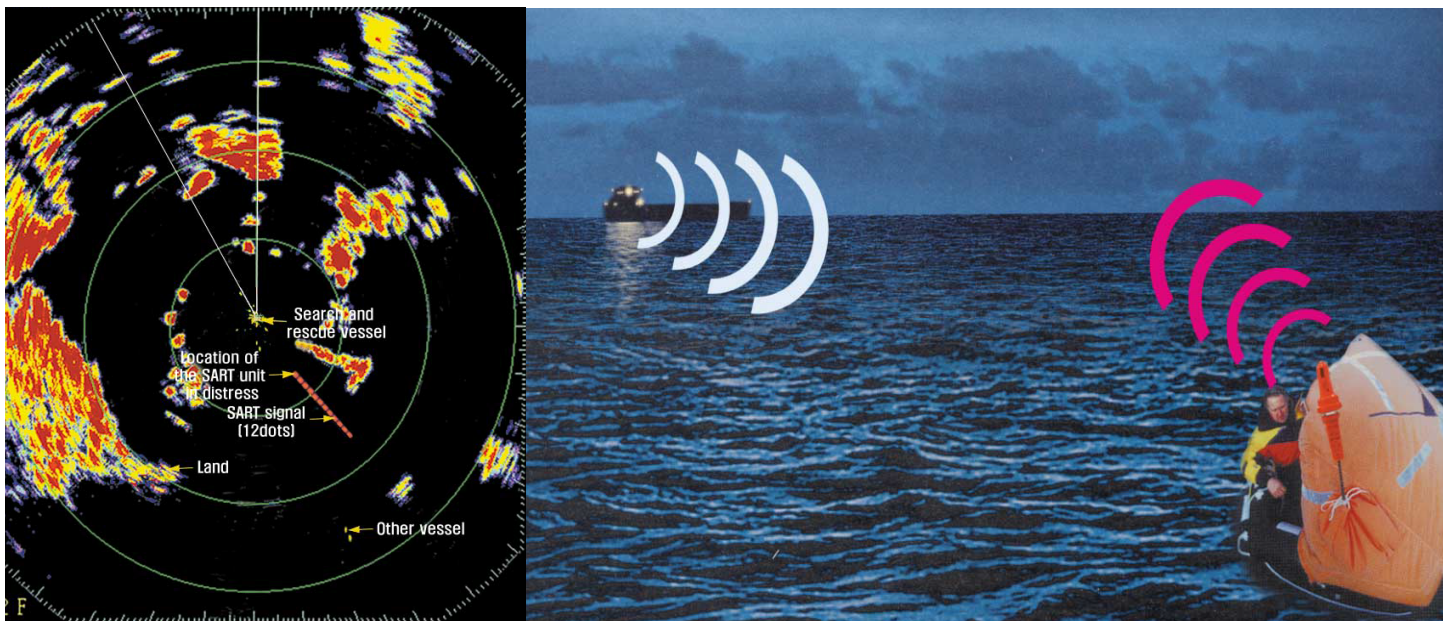
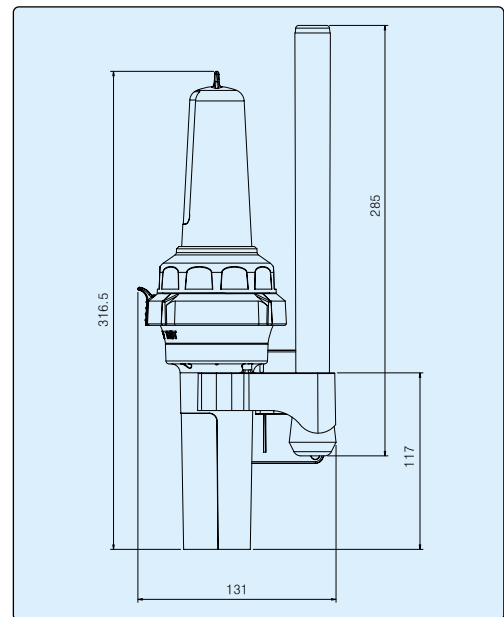
FEATURES

- ▶ Complied with related IMO/GMDSS requirements
- ▶ Designed for reliable operation in the roughest of marine environments
- ▶ Lightweight and rugged construction is suitable for placing at liferafts.
- ▶ Complete set with a liferaft mounting kit
- ▶ Efficiently assisting ship or survival craft rescue operations

SPECIFICATIONS

- ▶ Frequency : 9.2 ~9.5 GHz
- ▶ Polarization : Horizontal
- ▶ Vertical beam width : +12.5 Degrees
- ▶ Azimuthal beam width : Omnidirectional to $\pm 2\text{dB}$
- ▶ Radiated power : > 400mW (+26dBm)
- ▶ Form of sweep : Sawtooth(12 sweeps)
- ▶ Pulse emission : < 100 μs
- ▶ Forward sweep time : 7.5 $\mu\text{s} \pm 1\mu\text{s}$
- ▶ Return sweep time : 0.4 $\mu\text{s} \pm 0.1\mu\text{s}$
- ▶ Recovery time : < 10 μs
- ▶ Response time : < 0.5 μs
- ▶ Effective sensitivity : better than -50dBm
- ▶ Duration of operation : 96 hours in standby condition
followed by a minimum 8 hours of transmission while being continuously interrogated by an X-band radar with a pulse repetition frequency of 1KHz at extreme temperatures
- ▶ Battery life : 5 years
- ▶ Temperature range : Operating -20°C to 55°C, Storage -30°C to 65°C

DIMENSION



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KS Q ISO 9001:2015
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* Specification is subject to change without pre-notice