



Compliant with GMDSS Requirement

DESK TYPE (150W/250W) MF/HF DSC RADIO WITH W/K RECEIVER



NEW

SRG-1150D/SRG-1250D

150W · 250W

MF/HF RADIO EQUIPMENT

MODEL :SRG-1150D(150W)
:SRG-1250D(250W)

SRG-1150D/1250D MF/HF Radio Equipment, which is designed and developed for medium and long range communications, fully complied with all the requirements of GMDSS.

SRG-1150D/1250D, which is integrated with DSC unit, Direct Digital Synthesizer (DDS) and Noise Blanker Circuit, enables reliable communications and also ease of installation owing to compact and light weight.

FEATURES

- ▶ Compliant with ITU, IMO and GMDSS.
- ▶ Compact and lightweight
- ▶ Easy-to-read large LCD
- ▶ High stability by 10Hz-step frequency synthesizing
- ▶ Built in alarm signal generator
- ▶ Storing up to 100 transmitted message(editable)
- ▶ Storing up to 100 received message(every 50 messages for distress and ordinary)
- ▶ Self-diagnosis function for easy maintenance

SPECIFICATIONS

■ GENERAL

- Frequency range: TX : 1.6 ~ 27.5MHz(10Hz step)
RX : 500KHz~29.99MHz(10Hz step)
- TX/RX channel : 900 ITU channels
- Memory channel : 300 channels
- Frequency tolerance : within ± 10 Hz
- Type of emission : J3E, H3E, F1B
- Operation : simplex, semi-duplex
- Ambient temperature : $-15^{\circ}\text{C} \sim +55^{\circ}\text{C}$
- Power supply : AC 110/220V, DC24V
- Current consumption : 2.5A at reception, 15A at Transmission / SRG-1150D)
2.5A at reception, 25A at Transmission / SRG-1250D)

■ TRANSMITTER

- Type of emission and output : J3E, J2B(150W), H3E(75W) : SRG-1150D
J3E, J2B(250W), H3E(100W) : SRG-1250D
- Modulation : Low level balanced
- Occupied bandwidth : within 3KHz
- Overall frequency : 6dB or less
- Two-tone distress signal : 1300Hz, 2100Hz

■ RECEIVER

- Method of reception : Double superheterodyne
- Sensitivity : 3 μV for J3E, F1B, J2B and 6 μV for H3E at S/N of 20dB and output power of 250m/w
- Intermediate frequency : 49.455KHz, 455KHz
- Overall distortion and noise : 20dB or more
- Image frequency interference ratio : 70dB or more
- Input impedance : 50 Ω

■ DSC WATCH KEEPING RECEIVER

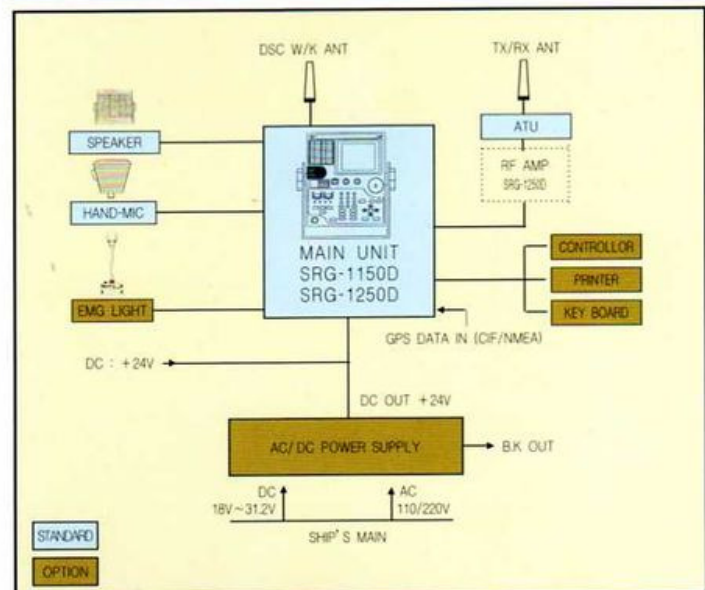
- Frequency : 2187.5, 4207.5, 6312, 8414.5, 12577, 16804.5 KHz
- Type of emission : F1B, J2B
- Frequency shift keying : 1700 \pm 85Hz(Mark:1615Hz, Space:1785Hz)

- Data transfer ratio : 100bps
- Frequency tolerance : within ± 0.5 Hz
- Selectivity : 6dB bandwidth 270 ~ 300Hz
30dB bandwidth within ± 380 Hz,
60dB bandwidth within ± 500 Hz

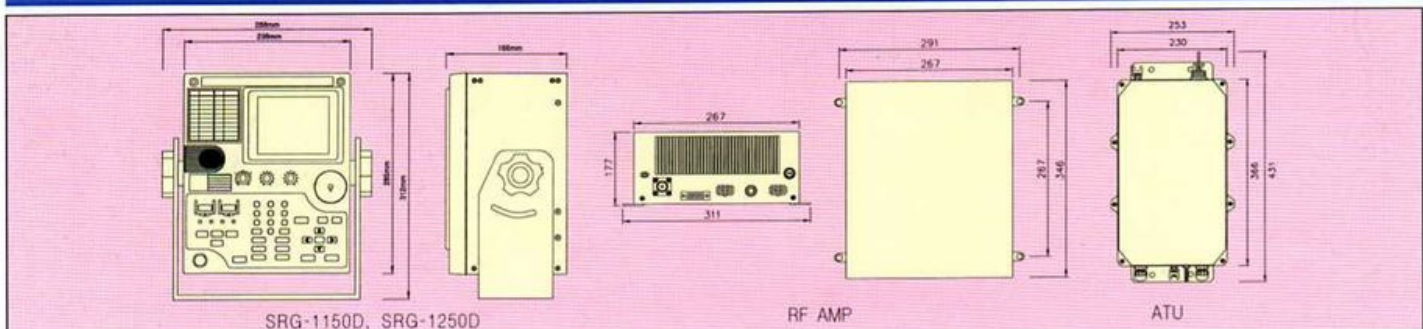
■ OPTION

- Rectifier : AC 110/220 \rightarrow DC 24V/50A
- Printer, Keyboard, Emg Light

CONFIGURATION



DIMENSIONS



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ISO 9002 / KS A 9002
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