

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

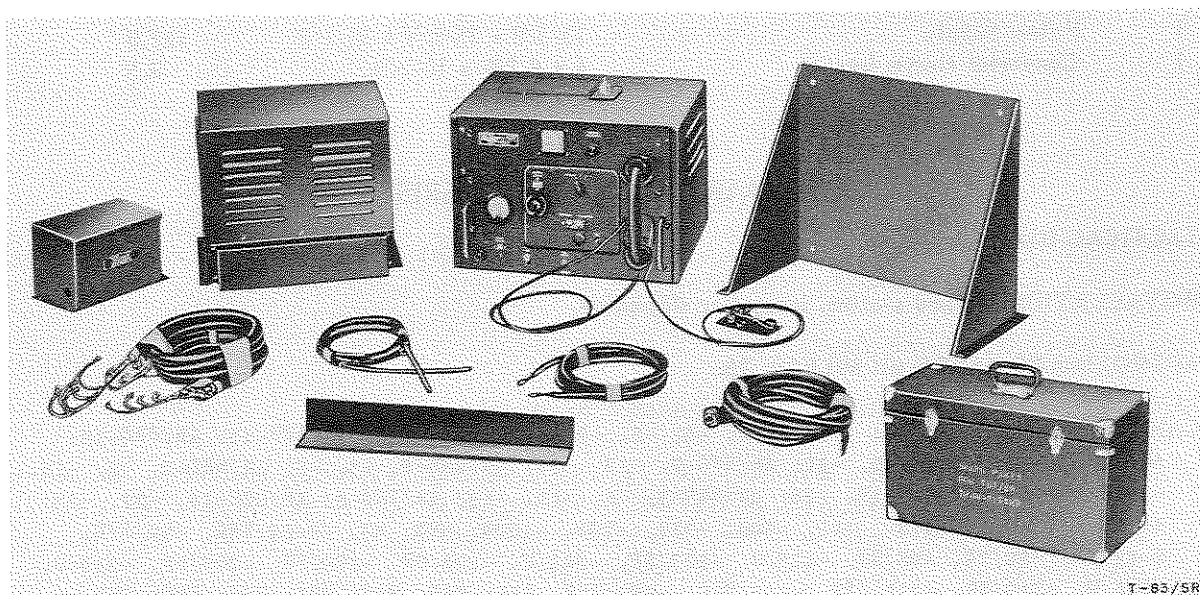
DATE OF THIS SHEET: 30 Jan 52

AN/FRT-TYPE

AN/COMP TYPE NUMBER:

T-83/SR

RADIO TRANSMITTER



T-83/SR

Radio Transmitter T-83/SR is a crystal-controlled, short-range, a-m (voice and cw) transmitter equipment used in two-way ship-to-shore communication in the medium- and high-frequency range.

This equipment consists of the radio transmitter component and associated power supply and includes a converter starter box and accessories. It operates in five preset frequency channels selected by a five-position switch and can be controlled from a remote operating location.

It uses a long-wire or whip-type antenna and may be table or shelf-mounted.

It is powered by a source of 115-v ac.

AN/FRT-TYPE		INSTRUCTION LITERATURE: TM 11-837
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter T-83/SR	13-1/2 x 16 x 21	118.0
1	Power Supply	13-3/8 x 15-1/4 x 18-1/8	127.0
1	Converter starter box	6 x 6-1/8 x 10-1/2	8.5

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard.

INSTALLATION: Fixed station, ground or shipborne.

APPROXIMATE RANGE (IN MILES): 25.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -12, -28, -32; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRR-3, -8, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -4; BC-312, -342, -348, -779, -794, -1004; MBS; MQ; OA-58/FRC, -59/FRC; R-62/PR, -80/PR, -96/SR, -129/U, -203/SR, -205/U, -206/PR, -208/FR, -209/FR, -210/U, -211/U, -213/SR, -274/FRR, -320/FRC, -368/URR; RAL; RAO; RAS; RBB; RBC; RBG; RBH; RBM; RBO; RBP; RBS; RCF; RCQ; RCH; RDE; RDM; REA; SCR-177, -188, -193, -244, -274, -399, -499, -506, -536, -543, -585, -593, -694, -704; TBO; RBX; TCH; TCO; TCP; TCS; AR-88 (RCA); Collins 183-4 (AF Model); Collins 75A-2; Fisher TS 25-3; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 1.7 - 8.7.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw and voice.

POWER OUTPUT: 50 w.

POWER REQUIREMENTS: 460 w, 115v, 50/60 cyc, ac.

PHYSICAL CHARACTERISTICS

Information on Radio Transmitter T-83/SR not available.