

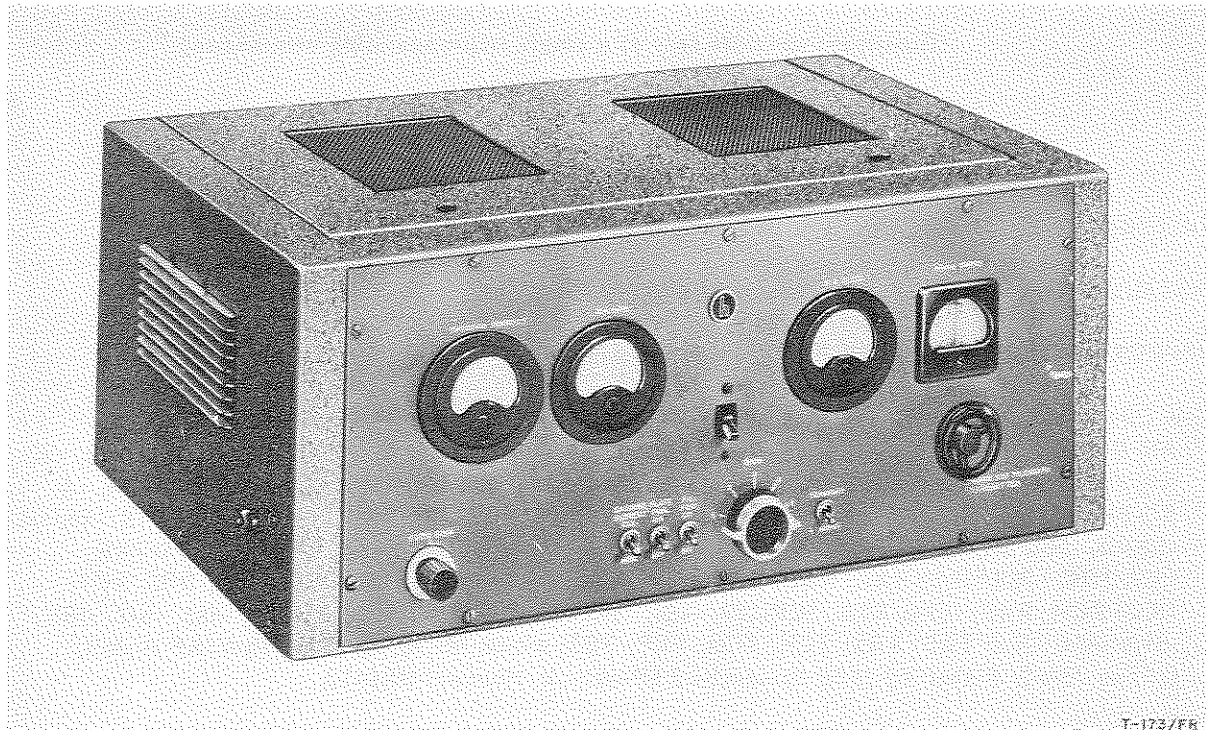
STATUS: Limited Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Army
DATE OF THIS SHEET: 31 Jan 52

AN/MRT-TYPE

AN/COMP TYPE NUMBER:

T-173/FR

RADIO TRANSMITTER



Radio Transmitter T-173/FR is a medium power, high-frequency, a-m (voice and cw), transmitting equipment used in point-to-point, long distance communication in fixed plant applications.

This equipment consists essentially of a commercial (Hallicrafter HT 9) table-model transmitter, a microphone, telegraph hand key, and antenna components. It includes a set of crystals by means of which five channels can be preset; there is an individual crystal for each channel. Band switching is accomplished by means of interchangeable plug-in coils and the band switch on the front panel.

This transmitter can be operated with conventional antenna systems.

Operates on 105-125v ac only.

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INSTRUCTION LITERATURE: None

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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
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(Equipment consists only of a single major operating component.)

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Fixed plant.

INSTALLATION: Ground, fixed ground, or mobile.

APPROXIMATE RANGE (IN MILES): Medium and long.

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, -388/URR; RAL; RAO; RAS; RBB; RBC; RBG; RBH; RBM; RBO; RBP; RBS; RCF; RCG; RCH; RDE; RDM; REA; SCR-177, -188, -193, -244, -274, -399, -499, -506, -536, -543, -585, -593, -694, -704; TBO; TBX; TCH; TCO; TCP; TCS; AR-88 (RCA); Collins 18S-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 - 30.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice, cw.

POWER OUTPUT: 100 w cw.
75 w PHONE.

POWER REQUIREMENTS: 500 va, 105 - 125 v, 50/60 cyc, ac.

PHYSICAL CHARACTERISTICS

Radio Transmitter T-173/FR measures 29-1/8 x 12-1/2 x 20-1/2 inches, net weight 120 pounds.
Packed for domestic shipment: total weight 125 pounds.