

STATUS: Standard

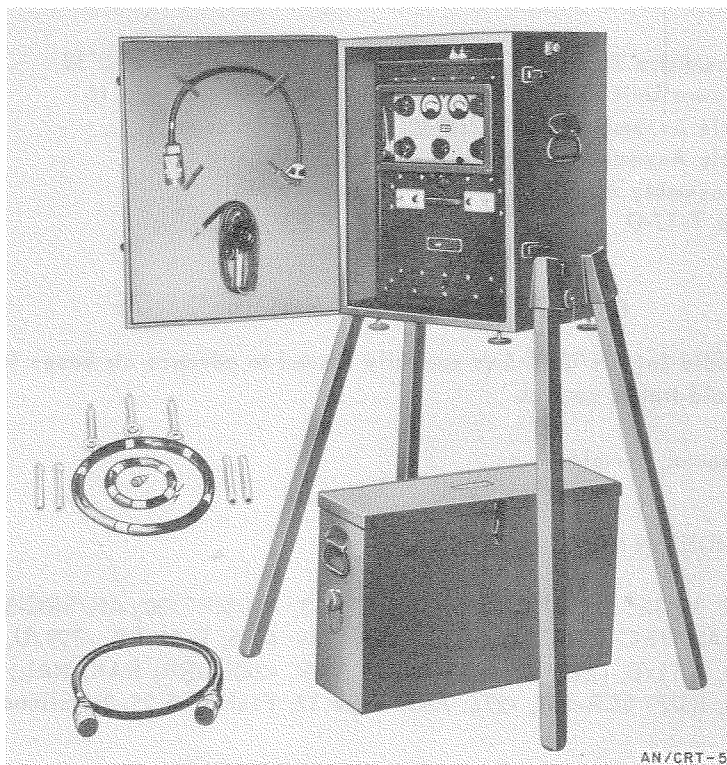
CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Air Force

DATE OF THIS SHEET: 28 Apr 52

AN/CRT-5

RADIO SET



AN/CRT-5

Radio Set AN/CRT-5 is a portable, 10-w, short-range, a-m (voice) radio transmitting equipment used in airfield traffic control applications or as a stand-by or supplementary transmitter for ground-to-air and point-to-point communication.

Because of the low frequency operation of this equipment a long antenna (Antenna Assembly AS-326/CRT-5, 350 to 450 ft) at least 20 ft off the ground should be used where practicable.

Normally uses 110-v, single-phase ac. Can use 12 v dc in emergencies by utilizing Vibrator Power Unit PP-203/CRT-5, which contains a 12-v Battery BB-46 or BB-50.

AN/CRT-5

INSTRUCTION LITERATURE:
T.O. 16-30CRT5-4
CLASSIFICATION OF EQUIPMENT:Unclassified
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RADIO SET

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter T-151/CRT-5	12-7/16 x 18-3/8 x 23-5/32	140.0
1	Vibrator Power Unit PP-203/CRT-5	24-1/4 x 7-3/8 x 15-9/16	54.0
1	Power Cable Assembly CX-1172/U	1-3/4 diameter x 72	Not Available
1	Power Cable Assembly CX-1173/U	1-3/4 diameter x 24	.5
1	Antenna Assembly AS-326/CRT-5	Not Available	7.0
1	Microphone T-17-D	69 x 2-3/4 x 2-1/4	1.0

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Radio Set AN/CRT-5 is normally issued to advance air bases for emergency air field traffic control.

INSTALLATION: Ground, portable.

APPROXIMATE RANGE (IN MILES): 10 - 15.

CAN COMMUNICATE WITH: AN/ARC-5, -8; AN/GRR-3; AN/MRC-20; AN/SRC-3; AN/SRR-3, -11, -12; AN/TRQ-1; AN/VRC-4; BC-344, -348, -453, -779; MBS; R-96/SR, -129/U, -203/SR, -206/PR, -210/U, -211/U, -212/SR, -213/SR, -215/SR, -247/URR; RAK; RAL; RAS; RBA; RBH; RBL; RBM; RCH; RDF; SCR-177, -274; ARC Type 12; Fisher TS 25-3; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.2 - 0.4 continuous tuning.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: 10 w.

POWER REQUIREMENTS: 350 w, 110/125 v, 50/60 cyc 1 phase, ac, or (144 w full load), 12 v (12 amp) dc supplied by Vibrator Power Unit PP-203/CRT-5

PHYSICAL CHARACTERISTICS

Radio Set AN/CRT-5 measures 19 x 13 x 53 inches, net weight 250 pounds, volume 10 cu ft, Packed for domestic or export shipment: total weight 340 pounds, total volume 17.51 cu ft. Shipped in 1 package.