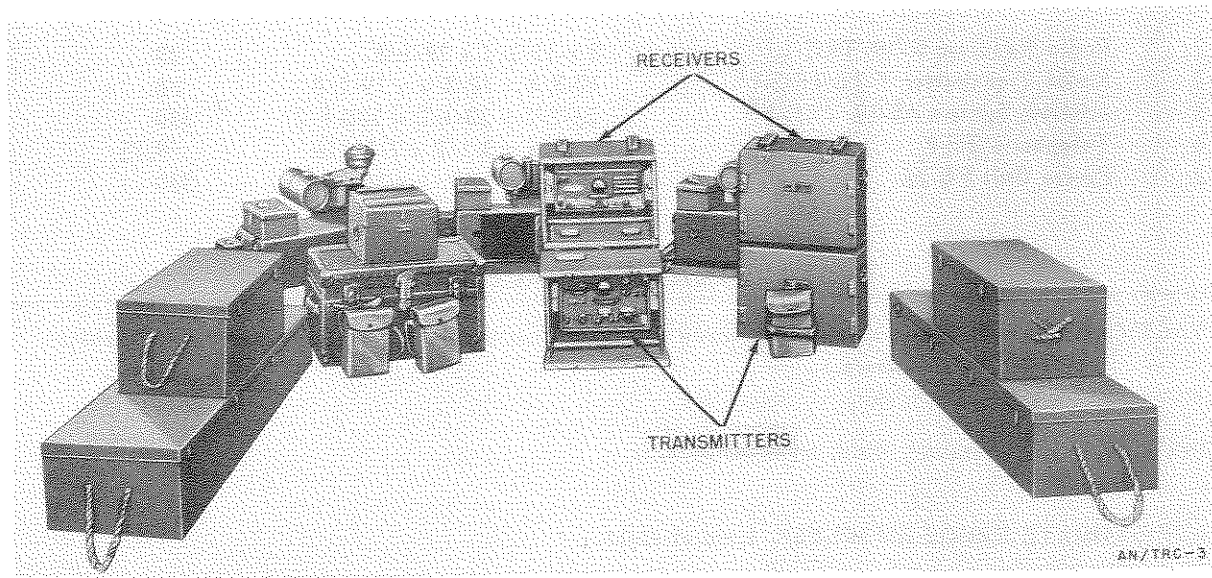


STATUS: Standard
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Army
 DATE OF THIS SHEET: 8 Jan 52

AN/TRC-3

RADIO TERMINAL SET



Radio Terminal Set AN/TRC-3 is a transportable, crystal-controlled, f-m, field, radio transmitting and receiving equipment which can be used in point-to-point, single or multichannel communication or as the terminal of a radio relay link in a system serving division and higher headquarters.

This equipment consists essentially of two Radio Sets AN/TRC-1, one of which is a spare, assuring continuous operation. It can be used in conjunction with telephone and telegraph equipment to provide various combinations of voice, telegraph or teletypewriter, and facsimile communication.

It can operate in a system in which the remote terminal consists of another Radio Terminal Set AN/TRC-3, or Radio Set AN/TRC-1, and in which Radio Relay Set AN/TRC-4 may be used as the intermediate repeater facility.

When it is necessary to increase power output of the transmitter, Amplifier Equipment AN/TRA-1 (not a component of this equipment) can be used.

Operates from 115 v ac supplied by its power unit component.

AN/TRC-3	INSTRUCTION LITERATURE: TM 11-2601
	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO TERMINAL SET	
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
2	Radio Receiver R-19/TRC-1	8 x 12-3/4 x 19-1/8	43
2	Radio Transmitter T-14/TRC-1	10-3/4 x 12-3/4 x 19-1/8	66
3	Antenna System AS-19/TRC-1	26-3/8 x 33-1/2 x 105-1/2	470
3	Telephone EE-8	9-9/16 x 3-1/2 x 7-11/16	9.75
3	Power Unit PE-75	26 1/2 x 19-1/2 x 36	330

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Division signal companies and signal service teams at corps, army, and theater headquarters.

INSTALLATION: Ground, field, transportable.

APPROXIMATE RANGE (IN MILES): Line of sight.

CAN COMMUNICATE WITH: AN/TRC-1, -3, -4; AN/URR-10, -12; BC-787; R-137/GR; RBK; SCR-687.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 70.0 — 99.9.

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Voice, teletypewriter (with additional equipment).

POWER OUTPUT: Transmitter, 50 w maximum, 10 w low power.

POWER REQUIREMENTS: Receiver: 100 w, 115 v, 50/60 cyc ac.
 Transmitter: 250 w, 115 v, 50/60 cyc ac
 Commercial power source or Power Unit PE-75, or equal.

PHYSICAL CHARACTERISTICS

Radio Terminal Set AN/TRC-3 weighs 2,560 pounds net. Packed for export shipment: total weight 3,150 pounds, total volume 132 cu ft, 3.3 ship tons.