

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

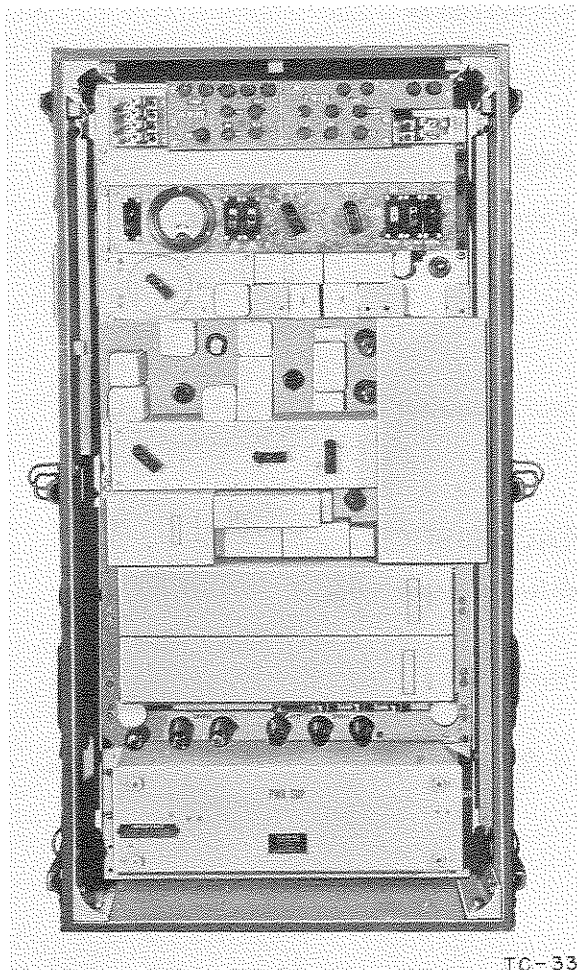
DATE OF THIS SHEET: 14 Feb 52

AN/TTC-TYPE

SERVICE TYPE NUMBER:

TC-33

CONVERTER SET



TC-33

Converter Set TC-33 is a transportable, voice-frequency, group-modulator equipment used for adapting four-wire transmission to two-wire facilities, which is used at division and equivalent headquarters, in field telephone facilities.

This equipment consists of panel-mounted apparatus contained in a steel cabinet and is normally installed adjacent to a telephone terminal or a repeater.

It is designed for use with a four-channel v-f carrier telephone system and can provide equivalent four-wire operation over an open wire pair.

It may be used to monitor at adjacent telephone terminals, and one of its composite circuits may be used as a signal and alarm circuit.

Equipment is used in conjunction with a repeater set and is powered by 115/230-v ac but has provision for transfer from ac to storage battery operation.

AN/TTC-TYPE		INSTRUCTION LITERATURE: TM 11-2008
TC-33 :SERVICE TYPE NUMBER		CLASSIFICATION OF EQUIPMENT:Unclassified
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Converter CF-4	24 x 17 x 49	300
2	Battery BB-55 (each)	13 x 7 x 9-3/8	110
1	Case CS-111 (Battery)	Not Available	Not Available
1	Chest BC-5	28-7/8 x 18-1/8 x 12	" "
2	Ground Rod MX-149/G	Not Available	" "
	Wire W-2 (2 lbs)	" "	2
	Wire W-143 (250 lbs)	" "	250

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Division, communications zone, and zone of interior.

INSTALLATION: Ground transportable.

MAXIMUM SYSTEM LENGTH: 400 to 800 miles.

CAN COMMUNICATE WITH: Repeater and related system equipment composing the connecting facility.

TECHNICAL CHARACTERISTICS

FACILITIES REQUIRED FOR TRANSMISSION: Spiral-four and open wire.

FACILITIES AFFORDED: Four-wire convertible to two-wire.

FREQUENCY: 200 to 11,600 cps in one direction, and 20,850 to 32,250 cps in the other direction.

TYPE OF MODULATION: Am.

TYPE RINGING: Vt.

POWER REQUIREMENTS: 30 w, 115 / 230 v, 50/60 cyc, ac, or 12-v storage battery.

PHYSICAL CHARACTERISTICS

Converter Set TC-33 weighs 570 pounds net, volume 22 cu ft. Packed for export shipment: total weight 830 pounds, total volume 44 cu ft, 1.1 ship tons.