

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

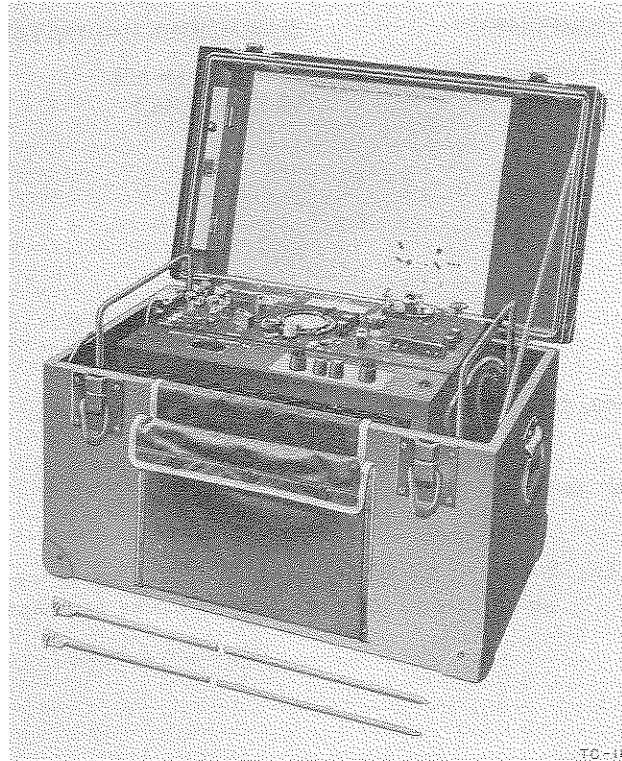
DATE OF THIS SHEET: 17 Feb 52

AN/TGC-TYPE

SERVICE TYPE NUMBER:

TC-18

REPEATER SET



Repeater Set TC-18 is a transportable, d-c telegraph terminal repeater equipment used in simplex field-wire line circuits or in open-wire, composited, ground-return facilities which serve division and higher headquarters.

This equipment consists of a single primary operating component (Repeater TG-30) and two ground rods. It is used in facilities terminating at the remote end at another TG-30.

It is equipped with a hand telegraph key for use of supervisory and maintenance personnel and is usually operated on a half-duplex basis providing one channel of teletypewriter communication. It is designed to extend the operating range of teletypewriter station equipment.

It is operated from 95/125 or 190/250 v ac or 115 v dc.

AN/TGC-TYPE		INSTRUCTION LITERATURE: TM 11-2004
TC-18		CLASSIFICATION OF EQUIPMENT: Unclassified
REPEATER SET		USING SERVICE : Army
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Repeater TG-30 (Terminal, Telegraph)	25 x 16 x 14-1/2	130
2	Ground Rod MX-148/G	72 x 3/4 (dia.)	9.5

OPERATIONAL CHARACTERISTICS

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

INSTALLATION: Ground, portable.

CAN COMMUNICATE WITH: D-c telegraph repeater, terminal, central-office and station equipment which operate in connecting facilities or compose the system.

TECHNICAL CHARACTERISTICS

NUMBER AND TYPE OF FACILITIES: Simplexed field-wire, or open-wire (composited, ground return).
 Line side: Polarential send, differential send; two-path.
 Local side: 30- to 60-ma neutral-type circuit.

POWER REQUIREMENTS: 95-125 v or 190-250 v, 50/60 cyc ac or 115 v dc.

PHYSICAL CHARACTERISTICS

Repeater Set TC-18 weighs 140 pounds net, volume 3.4 cu ft. Packed for export shipment: total weight 195 pounds, total volume 6.5 cu ft.