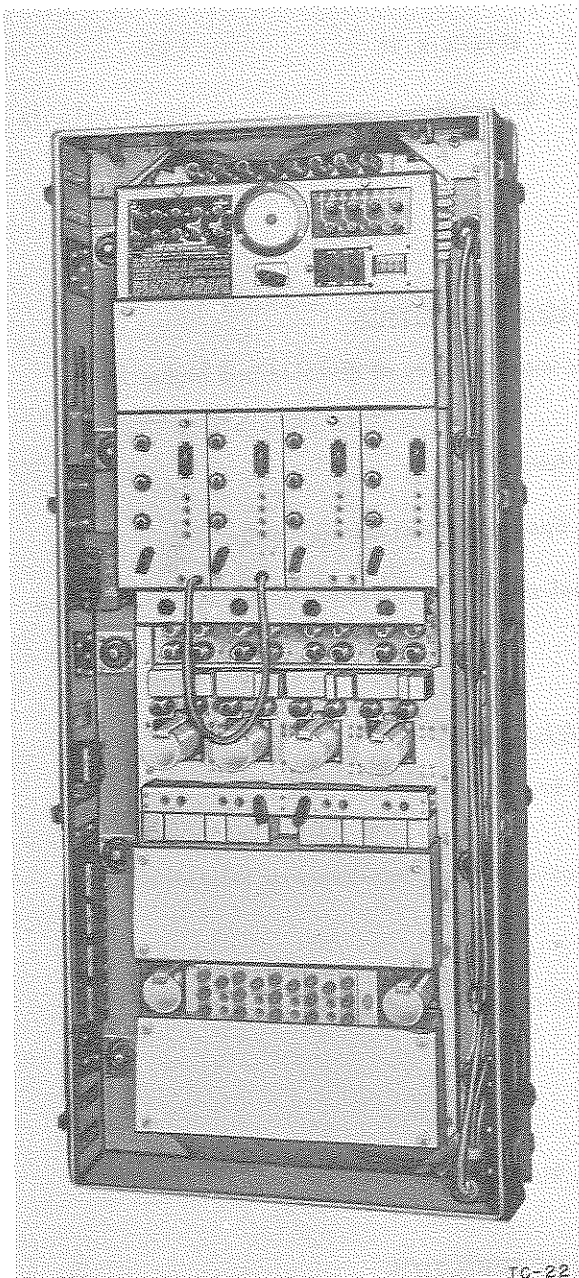


STATUS: Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Army
DATE OF THIS SHEET: 12 Feb 52

AN/TGC-TYPE

SERVICE TYPE NUMBER: TC-22
TELEGRAPH TERMINAL SET



Telegraph Terminal Set TC-22 is a transportable four-channel, v-f carrier telegraph terminal equipment which provides two-way transmission of teletypewriter signals in each channel, (operating in one channel of a carrier-telephone facility in which Telephone Terminal Set CF-1, and Repeaters CF-3, and related equipment are used). It is used at division or higher headquarters.

There are two models of this equipment: Telegraph Terminal Set TC-22-A consists of panel-mounted apparatus covering four channels, contained in two floor type cabinets; Terminal Set TC-22-B (illustrated above) consists of equivalent panel-mounted apparatus covering four-channels, contained in a single floor type cabinet.

This terminal set may be installed adjacent to a carrier-telephone terminal, or it may be operated over a two-wire and four-wire circuit (which has a net loss not exceeding 8 db) between telephone and telegraph terminals located at a distance from each other. It can also be operated over a telephone circuit terminating on a two-wire or four-wire basis (of the required stability and freedom from interference, and having a net loss not exceeding 25 db at 500 - 2,050 cps).

Operates on 200 - 250-w of 115- or 220-v ac.

AN/TGC-TYPE

INSTRUCTION LITERATURE: TM 11-355

CLASSIFICATION OF EQUIPMENT:Unclassified

USING SERVICE : Army

DATE OF THIS SHEET: 12 Feb 52

TC-22 :SERVICE TYPE NUMBER

TELEGRAPH TERMINAL SET

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Telegraph Terminal CF-2-A (2 bays each)	19 x 27-1/2 x 66	530
1	Maintenance Equipment ME-75	Not Available	Not Available
1	Chest BC-5	" "	" "
2	Clamp TM-106	" "	" "
2	Ground Rod MX-148/G	" "	" "

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Telegraph (teletypewriter) carrier terminal facility at division and higher headquarters.

INSTALLATION: Ground, transportable, in fixed locations.

MAXIMUM SYSTEM LENGTH: 100 or more, depending upon quality of connecting facility.

CAN COMMUNICATE WITH: Repeater, terminal, central office, or carrier equipment operating in the same facility or system.

TECHNICAL CHARACTERISTICS

FACILITIES REQUIRED FOR TRANSMISSION: Spiral-four, or equivalent quality facilities.

FACILITIES AFFORDED: Two-wire teletypewriter communication, four-two-way teletypewriter channels.

FREQUENCY: 500 to 2,050 cps, 8 channels spaced 170 cps apart.

TYPE OF MODULATION: Am.

POWER REQUIREMENTS: 200 to 250 w, 100 - 125 v, or 200 - 250 v, 50/60 cyc, ac.

PHYSICAL CHARACTERISTICS

Telegraph Terminal Set TC-22 weighs 1,130 pounds net, volume 45 cu ft. Packed for export shipment: total weight 1,540 pounds, total volume 85 cu ft, 2.2 ship tons.