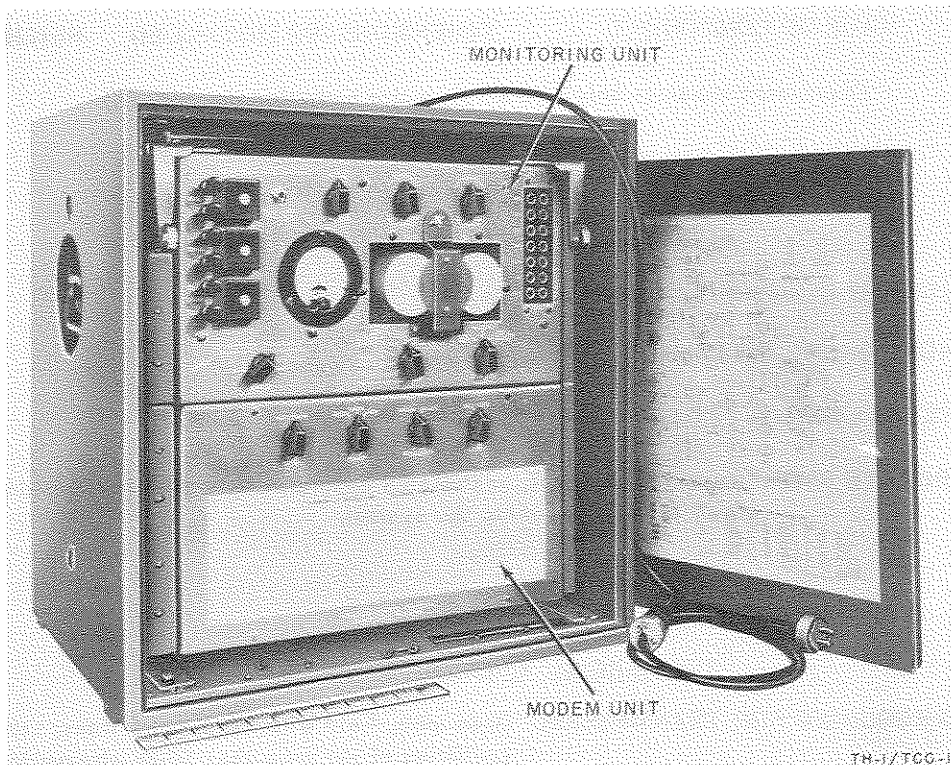


STATUS: Limited Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Army, Navy
DATE OF THIS SHEET: 30 Jun 52

AN/TCC-TYPE

AN/COMP TYPE NUMBER: TH-1/TCC-1
TELEGRAPH TERMINAL



Telegraph Terminal TH-1/TCC-1 is a carrier telegraph equipment which provides two-way, v-f telegraph or teletypewriter communication over a portion of the frequency range of a v-f telephone circuit, and is used principally at fixed plant installations at Army and equivalent headquarters.

This equipment consists essentially of three panels of operating apparatus. One of these is called the modem unit, the second is the monitoring unit, and the third is a voice-frequency ringer panel. The monitoring unit panel is mounted above the modem unit panel in a wooden cabinet; the ringer panel is mounted at the top rear of the cabinet.

It can be used to provide speech-plus-duplex operation in connection with line facilities which may be open wire, cable, field wire, repeatered lines, or carrier facilities. Filter F-2/GG (not a component of this equipment) is required at intermediate points in the telephone circuit to separate telephone and telegraph circuit frequencies.

It operates from a 12-v storage battery or from 100 - 130 or 200 - 250 -v ac.

AN/TCC-TYPE		INSTRUCTION LITERATURE: TM 11-2206
TH-1/TCC-1 : AN/COMP TYPE NUMBER		CLASSIFICATION OF EQUIPMENT: Unclassified
TELEGRAPH TERMINAL		USING SERVICE : Army, Navy
		DATE OF THIS SHEET : 30 Jun 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
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(Equipment consists only of a single major operating component.)

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Army and equivalent headquarters.

INSTALLATION: Ground, fixed plant.

MAXIMUM SYSTEM LENGTH: 620 miles (using 104-mil hd copper open wire).

CAN COMMUNICATE WITH: Repeater, terminal, and related apparatus operating in the connecting facility and composing the system.

TECHNICAL CHARACTERISTICS

FACILITIES REQUIRED FOR TRANSMISSION: Open wire, field wire, repeatered lines; carrier facilities of not more than 50-db attenuation.

FACILITIES AFFORDED: Speech, plus duplex.

FREQUENCY: Telephone Circuit: - 200 to 3,000 cps.
Telegraph Circuit: - 1,500 to 2,000 cps.

TYPE OF MODULATION: Am.

TYPE RINGING: v-f; 20-cyc (1,000 or 500-cyc signals interrupted at 19 cyc).

POWER REQUIREMENTS: (12.5 amp) from 12-v storage battery
160 w (maximum) at 100 - 130/200 - 250 v, 50/60 cyc, ac.

PHYSICAL CHARACTERISTICS

Telegraph Terminal TH-1/TCC-1 measures 22-1/4 x 21-1/4 x 17-3/4 inches, net weight 200 pounds, volume 5 cu ft.