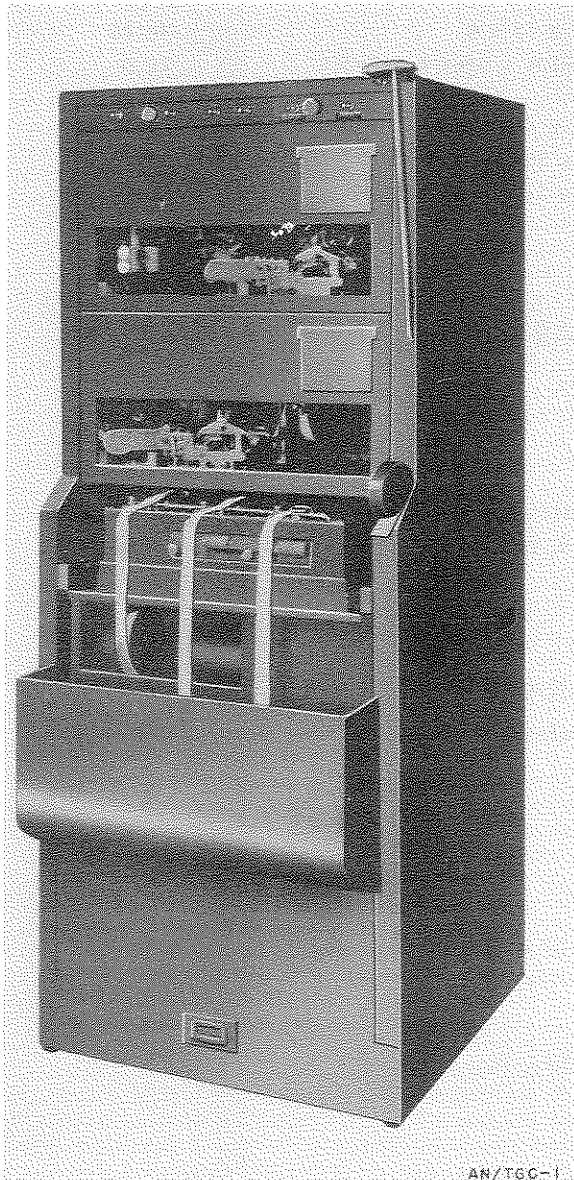


STATUS: Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Army, Navy
DATE OF THIS SHEET: 18 Dec 51

AN/TGC-1

TELETYPEWRITER SET



AN/TGC-1

Teletypewriter Set AN/TGC-1 is an automatic, high-speed, multichannel, teletypewriter station equipment used for sending, receiving, or monitoring, by means of typed and perforated paper tape, at army and equivalent headquarters.

This equipment consists of a single operating assemblage composed of a multiple transmitter-distributor (which provides one number transmitter and two message transmitters) and two typing reperforators. It can be used for conventional duplex make-and-break, duplex polar, single, split duplex make-and-break, split duplex polar, and/or split single operation.

Several of these equipments may be installed side by side for handling large traffic loads. It can be used for tape relay operation, and is designed for continuous operation.

It operates on 115-v ac or dc; the tapewinder motor operates on ac only.

AN/TGC-1

INSTRUCTION LITERATURE:
 TM 11-2203; AFM 102-2
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Army, Navy
 DATE OF THIS SHEET: 18 Dec 51

TELETYPEWRITER SET

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Cabinet, Console-type	24 x 24 x 65	250.0
2	Typing, Reperforator, w/motor	13 x 12 x 9	34.25
1	Multiple Transmitter-Distributor, w/motor	15-1/4 x 16-3/4 x 5-3/4	90.0
1	Tape winder, w/motor	12 x 6 x 11	10.0
1	54 A Rectifier	5 x 15-3/4 x 6-3/4	35.0
1	Signal indicator panel	5 x 21 x 1-3/4	20.0

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Corps, army, and higher headquarters.

INSTALLATION: Ground, fixed station.

CAN COMMUNICATE WITH: Terminal, repeater or station apparatus over wire, cable, carrier or radioteletypewriter standard communication facilities, composing the system in which it operates.

TECHNICAL CHARACTERISTICS

OPERATING FUNCTIONS: No keyboard. Number release key; release key; tape feed-out key; break key; alarm switch.

OPERATING SPEED: 368.1 or 600.0 opm.

MOTOR CHARACTERISTICS: Series-governed motor, 87.6 cyc, tuning fork, 2,102 rpm; or a synchronous motor requiring no adjustment.

POWER REQUIREMENTS: 115 v, 50/60 cyc, ac; or 115 v, dc.

PHYSICAL CHARACTERISTICS

Teletypewriter Set AN/TGC-1 measures 65 x 24 x 24 inches, net weight 439.25 pounds, volume 21.6 cu ft, 0.54 ship ton. Packed for either domestic or export shipment: total weight 1,267 pounds, total volume 42.5 cu ft, 1.02 ship tons. Shipped in 5 packages.