

Tactical, Keyboard and Tape Send-Receive Sets

AN/GGC-3A and TT-76C/GGC

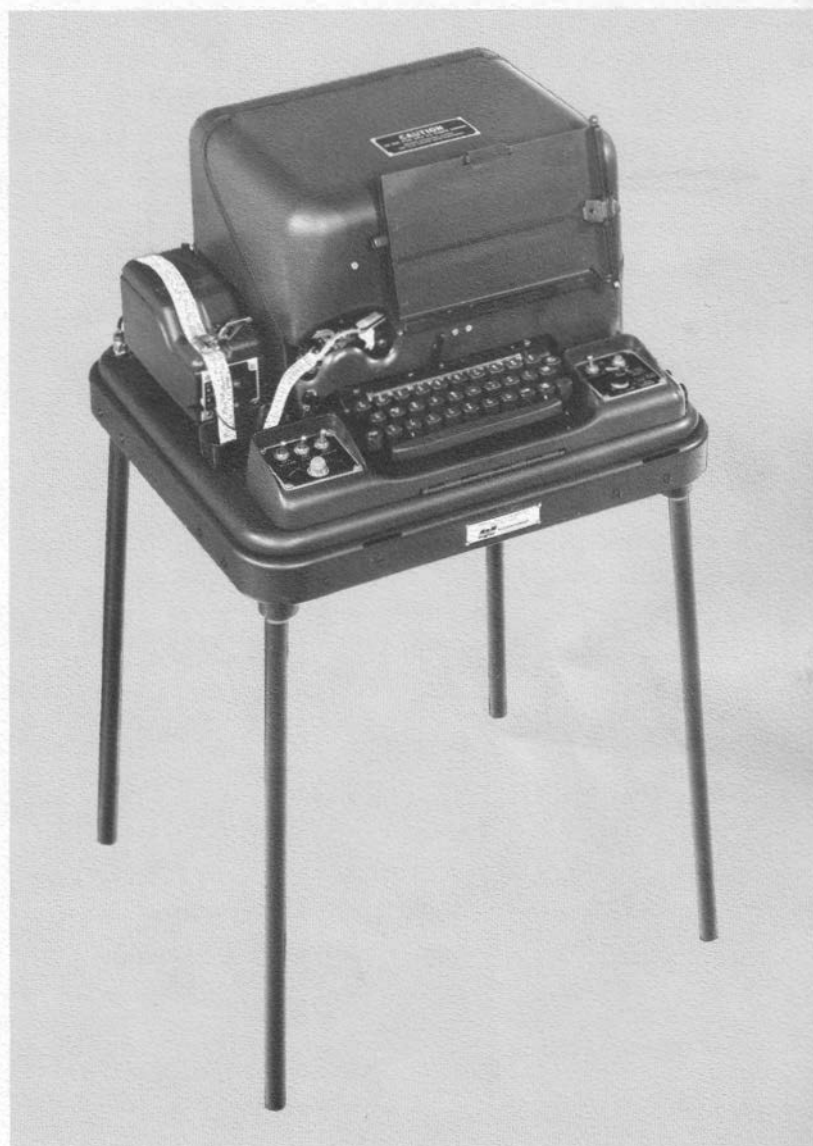
TELETYPEWRITER SET AN/GGC-3A

Teletypewriter Set AN/GGC-3A consists of a reperforator transmitter TT-76C/GGC, table FN-52/GGC with removable legs, and a watertight case CY-1110/GGC. The entire equipment, when stowed in the case, forms a package which can float in water, and it is engineered for the type of rough handling encountered during amphibious landings or other tactical applications.

The set may be used in field, or fixed stations, to send and receive over standard communications channels, i.e., direct current (dc) wire lines, carrier or radio systems in association with usual line terminal equipment such as telegraph terminal TH-5/TG, line unit BE-77-A, or similar line terminating devices.

REPERFORATOR-TRANSMITTER TT-76C/GGC

Reperforator-Transmitter TT-76C/GGC combines a rugged reperforator which interprets baudot coded messages in punched and printed form on paper tape, with a keyboard transmitter and a tape reading transmitter distributor (TD). The TT-76C/GGC can be used in a local or semi-local loop, using the keyboard and reperforator to cut tape on a send-receive half duplex or full duplex (simultaneous) basis. Note: A power supply (included in the TT-76C) provides battery for local loop, and the local loop portion of semi-local operation, but not for the external signal line. In full duplex systems, the reperforator, TD and keyboard can be used independently, or the TD and reperforator can be used in unison, as a tape relay, to redistribute incoming messages as they are received. The keyboard can be used to transmit to the signal line and/or used in a semi-local loop with the reperforator to prepare punched tape while the TD is operating independently.



Controls and indicators include a range adjustment for counteracting distortion and asynchronization between the reperforator and the sending station, character counter, figures and letters shift, visible and audible end-of-line indicators, low tape alarm, figures "S" signal bell, copy holder, tape back space, motor switch, copy lights and line break, manually controlled keyboard lock, tape feed, carriage return and line feed, and monitor jacks for keyboard, TD and reperforator.

TECHNICAL CHARACTERISTICS

RELEVANT LITERATURE:

Manufacturing Specification
... MIL-R-11177,
Military Manual
... TM 11-5815-283-12

PRINT SYMBOLS:

English - Standard communications.

PRINTED CHARACTERS PER LINE:

Standard equals 72, weather equals 76.

FINISH:

Olive drab per MIL F. 14072, P711.

DIMENSIONS AND WEIGHT (Inches and Pounds)

	Height	Width	Depth	Weight
Teletypewriter	12	21	18	45
Table	26-1/4	22	19	15
Case	18	27-3/16	24	30

... Space required for installed equipment
(less case) - 8 cubic feet.

... Total weight with full roll of tape - 97 lbs.

MOTOR POWER REQUIREMENTS:

150 w., 115 or 230 vac, 50 to 60 Hz, single phase.

SIGNALING CHARACTERISTICS:

Types of Signals (Battery not supplied)

... Received - Neutral (20 and 60 ma dc), and
polar (15 thru 30 ma dc).

... Transmitted - Neutral only, 20 and 60 ma.

Type of Code

... Baudot, five data bits, plus start bit and stop
element (7.42 units).

Distortion

... Transmitted - Not more than 5 percent.

... Tolerated by receiver - Reperforator has a
range adjustment and calibrated scale to
compensate for bias distortion up to 40 per-
cent, and end distortion up to 35 percent.

Dc Wire Range (60 ma)

... 25 miles at 60 WPM.

... 15 miles at 100 WPM.

OPERATIONAL SPEEDS AVAILABLE

Per Minute	60	66	75	or	100
Words...					
Operations...	368.1	404	460		600

TAPE SPECIFICATIONS:

Size... Standard roll, 7/8-inch or 11/16-inch.

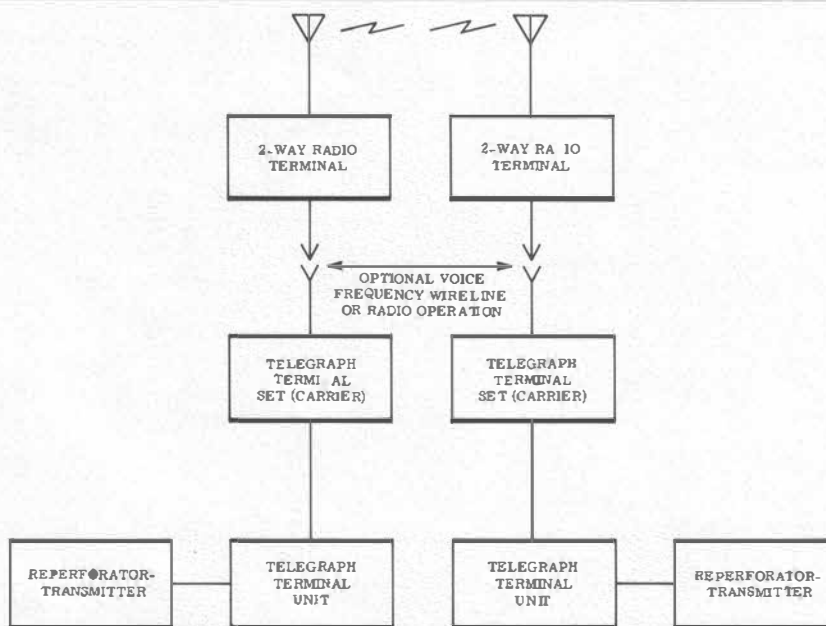
Capacity... 5-1/3 hours at 60 WPM.

... 3-1/6 hours at 100 WPM.

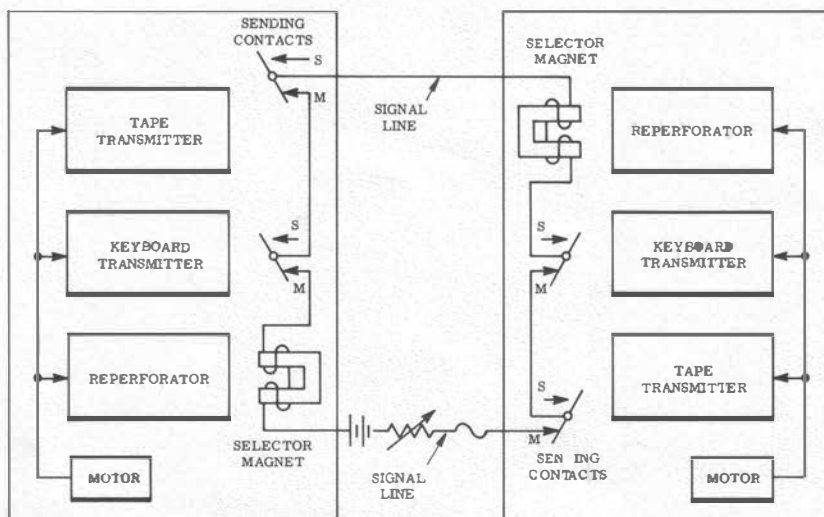
TEMPERATURE AND PRESSURE LIMITS

(Tests per MIL-STD-169 and 170)

Temperature Equipment in use	Pressure	
	Inches of Mercury	Equivalent Altitude
... +32°F (0°C) thru		
+132°F (+55°C)	16.88	15,000
Equipment in storage		
... -80°F (-52.2°C) thru		
+160°F (+71.1°C)	5.5	40,000

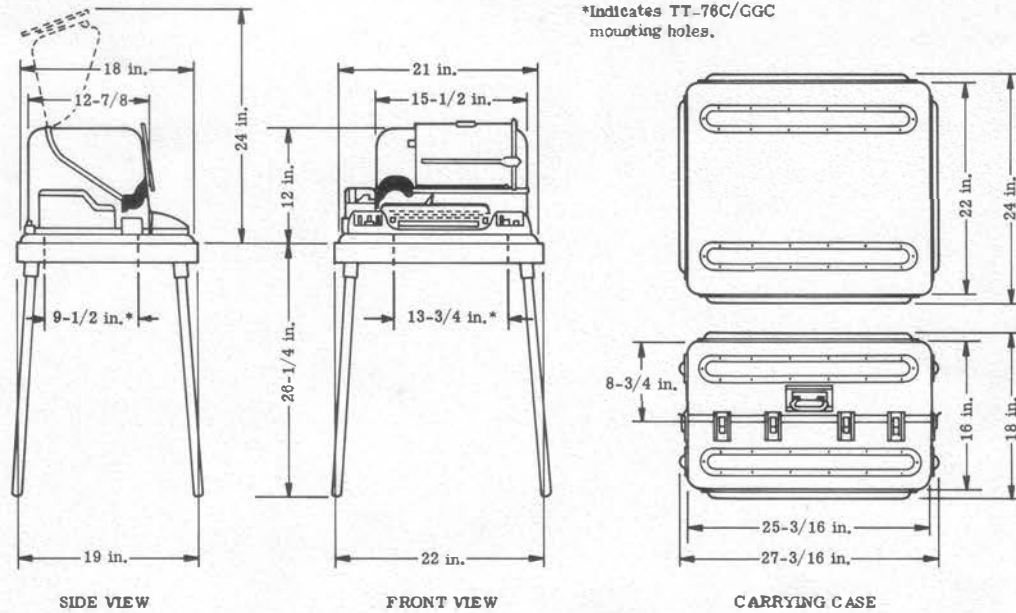


TYPICAL APPLICATION BLOCK DIAGRAM



TYPICAL APPLICATION HOOK-UP SCHEMATIC

TECHNICAL CHARACTERISTICS



ORDERING INFORMATION

END ITEMS AND MAJOR COMPONENTS

END ITEM	FED. STOCK NO.	MAJOR COMPONENTS	FED. STOCK NO.
Teletypewriter Set AN/GGC-3A	5815-503-3309	Reperforator-Transmitter	5815-553-6061
		Teletypewriter TT-76C/GGC	5815-543-1353
		Table, Teletypewriter FN-108/GGC	
		Case, Teletypewriter-Reperforator	5815-537-7906
		Transmitter CY-1110/GGC	
		Technical Manual	GFP
		TM 11-5815-238-12	
Reperforator-Transmitter		Technical Manual	GFP
Teletypewriter TT-76C/GGC	5815-553-6061	TM 11-5815-238-12	

FUNCTIONAL PARTS

ACCESSORIES	IN USE	SPARES	PART NO.	FEDERAL STOCK NO.	WHERE USED	
					TT-76C/GGC	AN/GGC-3
Chad Bin	1		52628A	5815-392-7813	x	x
Fork, Tuning	1		50996A	7720-224-9717	x	x
Gear, Worm, 600 OPM		1	50596	5815-302-1327	x	x
Gear, Worm Wheel, 600 OPM		1	50597A	5815-351-7944	x	x
Gear, Worm, 60 WPM	1		50350	5815-303-1678	x	x
Gear, Worm Wheel, 60 WPM	1		50352A	5815-378-5593	x	x
Ribbon, Teletypewriter (Black)	1	1	10901	7510-511-6690	x	x
Spool, Teletypewriter Ribbon	1		10900	5815-356-3227	x	x
Tape, Teletypewriter 7/8-inch	1	4	10982	7530-634-6237	x	x
Lamp, Incandescent, 6.3V, 0.15 Amp.	1	1	20791	6240-155-8706	x	x
Lamp, Incandescent, 120V, 15W	1	1	20701	6240-143-3084	x	x
Fuse, Cartridge, Slow-Blow, 2A, 250V	2	5	20474	5920-581-4144	x	x
Screw (KLI Part No. 10302)	4		10302	5305-206-5877	x	x
Clip	1		53442	5815-219-7020	x	x
Chad Holder Assembly	1		52656A	5815-392-7822	x	x
Template, Bench	1		57259	5815-672-6727	x	