

STATUS: Standard

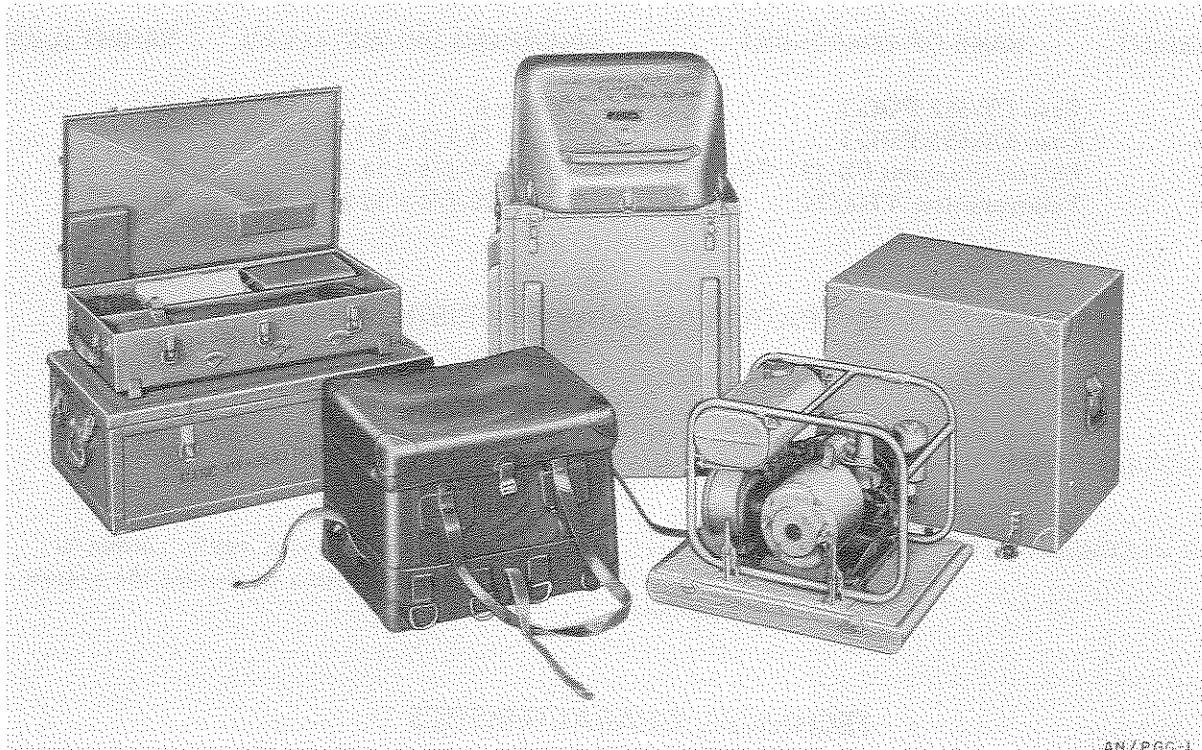
CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

DATE OF THIS SHEET: 17 Jan 52

AN/PGC-1

TELETYPEWRITER SET



Teletypewriter Set AN/PGC-1 is a portable, field teletypewriter station for use at division and higher headquarters.

The equipment consists of a lightweight teletypewriter, a gasoline engine-driven electrical generator, carrying cases, and accessories. The cases are used to mount the equipment during operation in the field. The entire equipment can be transported on QM packboards.

This set is designed to operate in neutral circuits but can be adapted to receive and transmit polar signals. It is usually connected to the remote teletypewriter through a d-c telegraph line, tactical carrier facilities, or a radio channel. Can be arranged for half-duplex, full-duplex, or sending or receiving only operation. Two or more of these sets can be interconnected for operation with each other without using intermediate line modifying equipment.

This teletypewriter is powered by its power unit component or from a conventional power source and operates on 105/125 v dc or 50/60 cyc ac.

AN/PGC-1	INSTRUCTION LITERATURE: TM 11-2235
	CLASSIFICATION OF EQUIPMENT: Unclassified
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Case CY-552/PGC-1	27 x 16 x 6	24
1	Case CY-553/PGC-1	30-1/2 x 19-1/2 x 9-1/2	30
1	Engine-Generator PU-181/PGC-1	17-1/2 x 12-3/4 x 14-3/4	95
1	Teletypewriter TT-4/TG	24-3/8 x 20-7/8 x 16-3/8	94-1/2

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Division and higher units.

INSTALLATION: Ground, airborne, or shipborne.

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

TECHNICAL CHARACTERISTICS

OPERATING FUNCTIONS: Keyboard operation, remote motor stop, break-in facilities.

OPERATING SPEED: 368.1 opm (60 wpm), gears furnished for 600 opm (100 wpm).
72 characters per line (no weather keyboard available).

MOTOR CHARACTERISTICS: Universal (ac or dc) series type, tuning fork speed adjusting frequency--180 vps, 3,600 rpm.

POWER REQUIREMENTS: The teletypewriter motor requires approximately 150 w from a 105-125-v dc or 50/60 cyc source. Power obtained from the power unit supplied or from conventional commercial source. Complete system requires a 115-v d-c source for line current.

PHYSICAL CHARACTERISTICS

Teletypewriter Set AN/PGC-1 weighs 135 pounds net. Packed for domestic shipment: total weight 243 pounds, total volume 11.45 cu ft. Packed for export shipment: total weight 285 pounds, total volume 19.5 cu ft. Shipped in 3 packages both domestic and export.