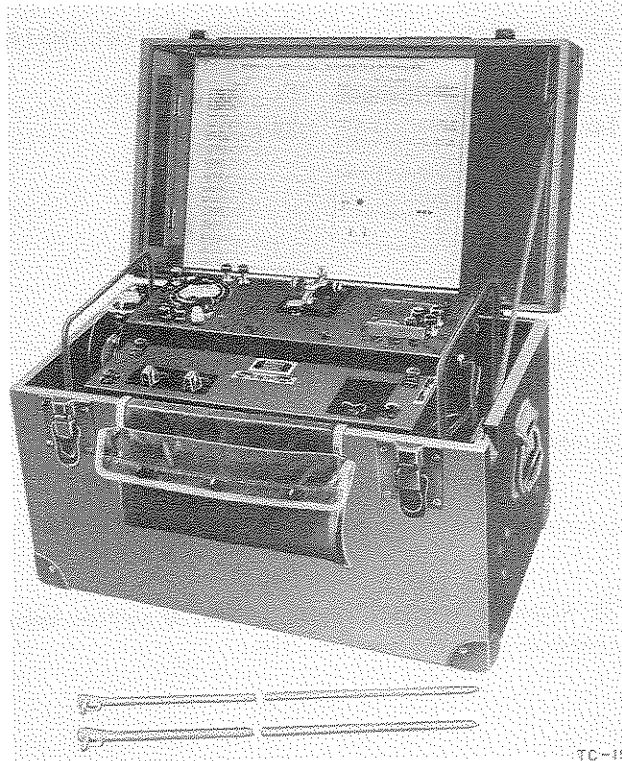


STATUS: Standard	AN/TGC-TYPE	
CLASSIFICATION OF EQUIPMENT: Unclassified		
USING SERVICE: Army		SERVICE TYPE NUMBER: TC-19
DATE OF THIS SHEET: 18 Feb 52		REPEATER SET



Repeater Set TC-19 is a portable, field, d-c telegraph repeater used for single operation at intermediate points between terminal repeater equipment in facilities serving division and higher headquarters.

This equipment consists essentially of a repeater, contained in a field-type carrying case, and two ground rods. It can repeat signals in either direction but in only one direction at a time. It provides one channel for telegraph communication on a simplex, or composited, ground-return basis. When used as an intermediate repeater only one set can be used in the line circuit between two terminal repeaters.

The operating range of Repeater Set TC-18 can be extended by using this equipment.

It requires 95/125 or 190/250 v ac, or 115 v dc, or a 12-v storage battery.

AN/TGC-TYPE		INSTRUCTION LITERATURE: TM 11-2005
TC-19	:SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
REPEATER SET		USING SERVICE : Army
		DATE OF THIS SHEET : 18 Feb 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALL ED	WEIGHT (LBS)
1	Repeater TG-31 (Intermediate Telegraph)	25 x 16 x 14-1/2	120
2	Ground Rod MX-148/G	72 x 3/4 (dia)	9.5 (ea)

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Division, communications zone, and zone of interior.

INSTALLATION: Ground, portable.

CAN COMMUNICATE WITH: Repeater, terminal, central office, or station apparatus and equipment operating in the same facility.

TECHNICAL CHARACTERISTICS

NUMBER AND TYPE OF FACILITIES: Field wire or open wire; simplex or composited.

POWER REQUIREMENTS: 190 w, 95-125 v or 190-250 v, 50/60 cyc ac; 115 w, 115 v dc; or 12-v storage battery.

PHYSICAL CHARACTERISTICS

Repeater Set TC-19 weighs 140 pounds net, volume 3.5 cu ft. Packed for export shipment; total weight 186 pounds, total volume 13.23 cu ft.