

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

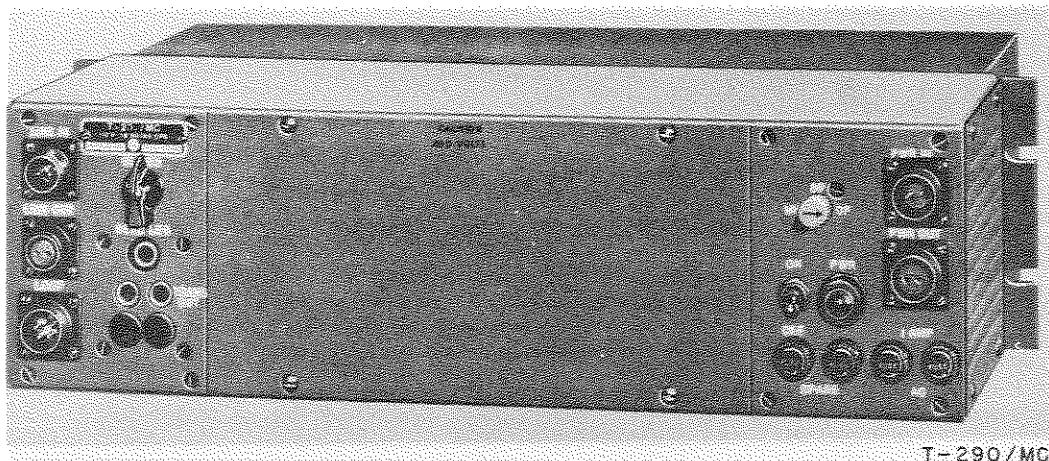
USING SERVICE: Navy

DATE OF THIS SHEET: 29 Mar 52

AN/MCT-TYPE

AN/COMP TYPE NUMBER: T-290/MC through T-297/MC

CARRIER TELEGRAPH TRANSMITTER



T-290/MC

Carrier Telegraph Transmitters T-290/MC through T-297/MC are used to form an eight-channel carrier telegraph transmitting terminal, whereby mark and space signals from up to eight keyboard sending printers are translated into f-m audio signals which can be relayed to carrier receivers by wire, cable, or radio circuits.

The eight carrier telegraph transmitters are identical except for the characteristic center audio frequency to which each individual transmitter is adapted. Each unit is usually controlled by a keyboard sending printer, but hand keying or any other telegraph keying system may be used. The eight units are usually installed in a relay rack console. Each unit has its own built-in power supply and connections are made from unit to unit with short cables.

AN/MCT-TYPE

INSTRUCTION LITERATURE: NavShips

91541

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T-290/MC through T-297/MC : AN/COMP TYPE NUMBER

USING SERVICE : Navy

CARRIER TELEGRAPH TRANSMITTER

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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
8	Carrier Telegraph Transmitter T-290/MC through T-297/MC	5-1/4 x 19 x 14-1/2	24.5

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations; mobile.

INSTALLATION: Ground, mobile.

MAXIMUM SYSTEM LENGTH: Subject to load impedance and transmission line losses.
Transmitter output between -20 dbm and +6 dbm into 600-ohm load.

CAN COMMUNICATE WITH: Carrier Telegraph Receivers R-405/MC through R-412/MC.

TECHNICAL CHARACTERISTICS

FACILITIES REQUIRED FOR TRANSMISSION: One wire, cable, or radio v-f circuit.

FACILITIES AFFORDED: Eight transmitting channels, 170 cps apart between 850 and 2,210 cps.

FREQUENCY:	935 cps (T-290/MC)	1,615 cps (T-294/MC)
	1,105 cps (T-291/MC)	1,785 cps (T-295/MC)
	1,275 cps (T-292/MC)	1,955 cps (T-296/MC)
	1,445 cps (T-293/MC)	2,125 cps (T-297/MC)

TYPE OF MODULATION: Fm.

POWER REQUIREMENTS: 232 w, 105/115/125 v, 50/60 cyc, 1 phase, ac.

PHYSICAL CHARACTERISTICS

Carrier Telegraph Transmitters T-290/MC through T-297/MC measure 42 x 19 x 14-1/2 inches, net weight 196 pounds, volume 6 cu ft. Packed for domestic shipment: total weight 232 pounds, total volume 14.48 cu ft. Shipped in 8 packages.