

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

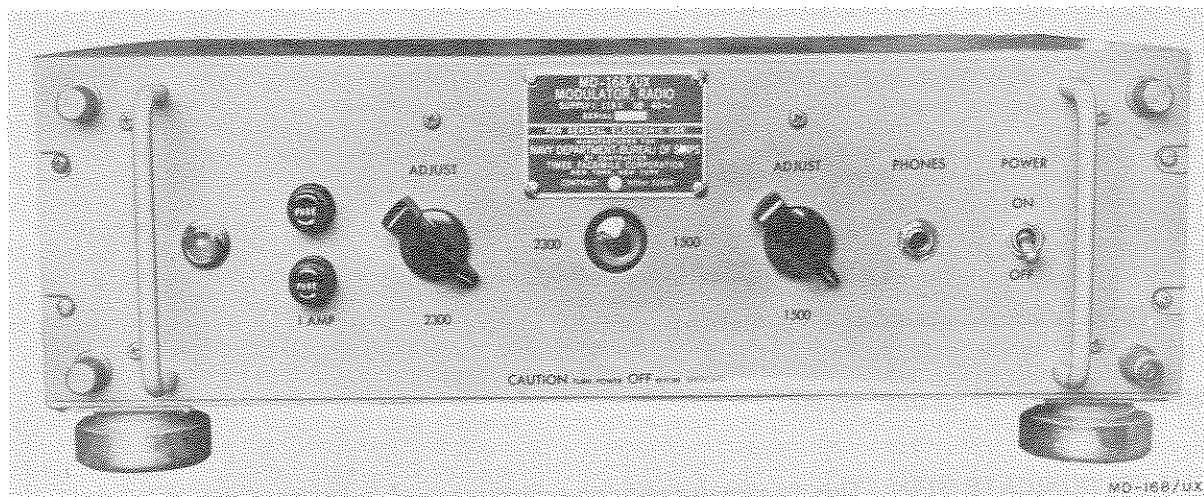
DATE OF THIS SHEET: 29 May 52

AN/UXA-TYPE

AN/COMP TYPE NUMBER:

MD-168/UX

RADIO MODULATOR



Radio Modulator MD-168/UX is a subcarrier frequency-shift unit operating on frequencies of 1.5 to 10 kc. It converts amplitude-modulated facsimile signals to audio frequency-shift signals of constant amplitude, which in turn are used to modulate the carrier of a radio transmitter.

This modulator has provision for audio monitoring and visual indication of the frequency of transmitted signals.

Contrast ratio (maximum to minimum signal ratio) is zero to -40 dbm.

Frequency of maximum signal is 1,500 cps, and for minimum signal, 2,300 cps.

It consists essentially of commercial (Times Facsimile Corp Model CGR-1) equipment.

It can be used with any facsimile transmitter having an output within the range 1.5 to 10 kc, and keying speeds up to 900 cps.

AN/UXA-TYPE		INSTRUCTION LITERATURE: Not Available
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MAJOR COMPONENTS

QUANT NAME OF COMPONENT DIMENSIONS (IN) INSTALLED WEIGHT (LBS)

(Equipment consists only of a single major operating component).

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Shipborne, ground.

CAN COMMUNICATE WITH: This is signal-modifying equipment used in conjunction with primary communication apparatus.

TECHNICAL CHARACTERISTICS

FREQUENCY: 1.5 to 10.0 kc.

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Pulse.

POWER REQUIREMENTS: 70 w, 115 v, 60 cyc.

PHYSICAL CHARACTERISTICS

Radio Modulator MD-168/UX measures 5-3/8 x 16-1/2 x 19 inches.