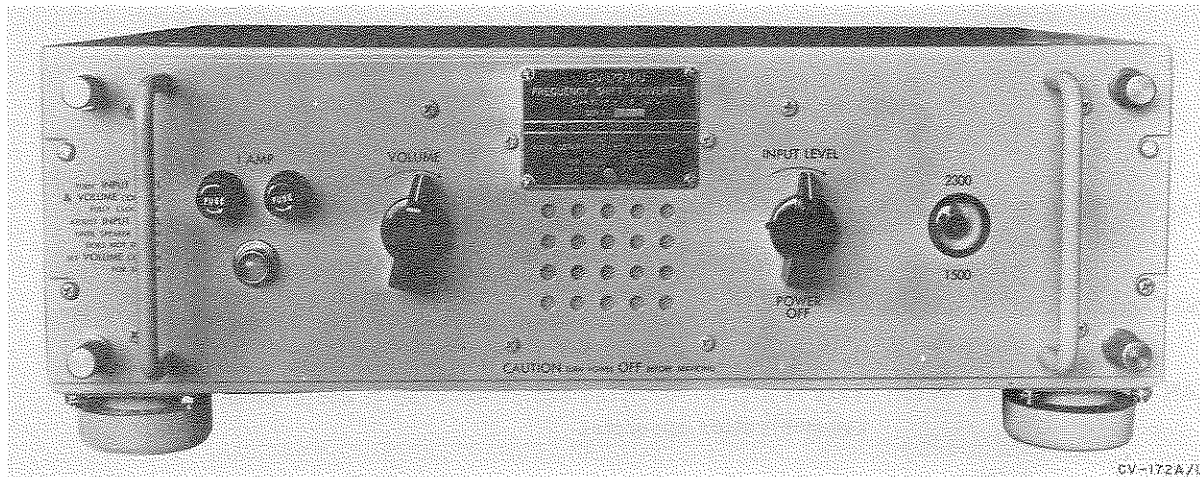


STATUS: Standard CLASSIFICATION OF EQUIPMENT: Unclassified USING SERVICE: Navy DATE OF THIS SHEET: 29 May 52	<b>AN/UXA-TYPE</b>	
	AN/COMP TYPE NUMBER:	CV-172A/U
FREQUENCY SHIFT CONVERTER		



Frequency Shift Converter CV-172A/U converts 1,500-2,300 cps facsimile signals (received from a radio circuit) to a-m signals for a facsimile recorder. The signals from the radio receiver are audio frequency shift signals in which 1,500 cps represents black and 2,300 cps represents white for the recorder.

Provision is made for aural monitoring of the incoming signal, and for visual checking of frequency limits.

This converter is primarily intended for use with Facsimile Recorder RD-92/UX. It is a modification of a commercial (Times Facsimile Corp Model RGD) facsimile frequency shift converter.

It has a balanced input of 500 ohms, and requires an input signal level of zero to -40 dbm.

<b>AN/UXA-TYPE</b>		INSTRUCTION LITERATURE: NavShips 91394
CV-172A/U	:AN/COMP TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
FREQUENCY SHIFT CONVERTER		USING SERVICE : Navy
		DATE OF THIS SHEET : 29 May 52

### MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
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(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:** 1500-2300 cps, frequency swing  $\pm$  400 cps.

**TYPE MODULATION:** Fm.

**TYPE OF SIGNAL:** Frequency shift keying.

**POWER OUTPUT:** .04 v a-c at 1500 cps and .009 v a-c at 2300 cps into a balanced 500 ohm line.

**POWER REQUIREMENTS:** 30 w, 100-130 v, 50/60 cyc.

### PHYSICAL CHARACTERISTICS

Frequency Shift Converter CV-172A/U measures 6-1/2 x 19 x 16-1/2 inches.