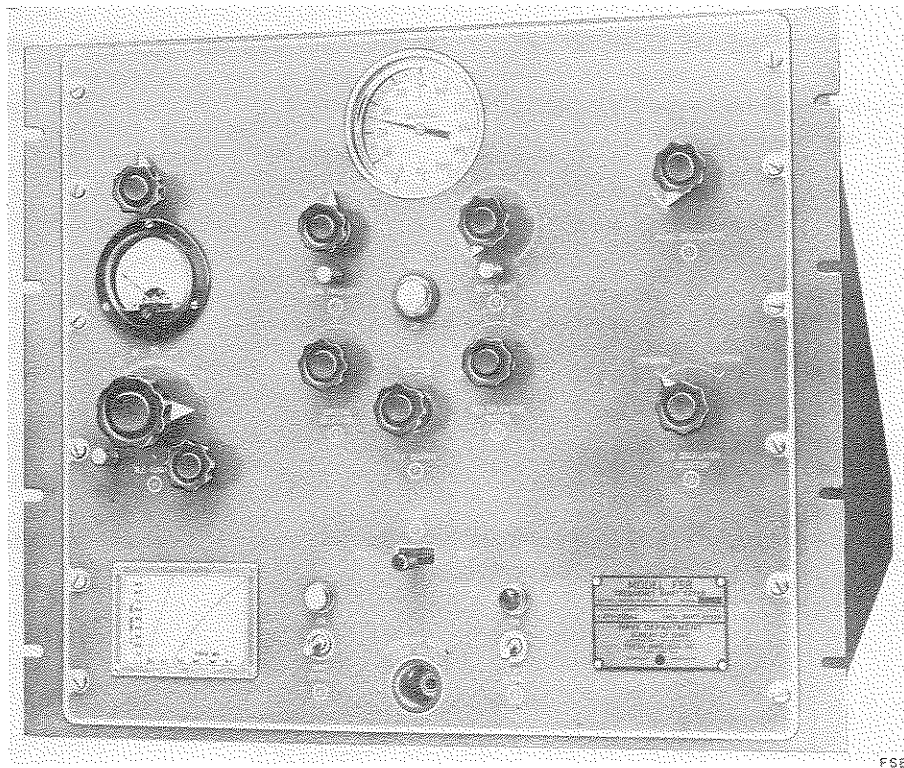


STATUS: Limited Standard CLASSIFICATION OF EQUIPMENT: Unclassified USING SERVICE: Navy DATE OF THIS SHEET: 9 May 52	<b>AN/TGA-TYPE</b>	
	SERVICE TYPE NUMBER:	FSB
FREQUENCY SHIFT KEYER EQUIPMENT		



Frequency Shift Keyer Equipment FSB is an auxiliary keying equipment for radiotelegraph transmitter. It is used at shore stations to impress intelligence on an r-f carrier by the frequency-shift method to minimize the effects of fading, noise interference, and static disturbances at the receiving equipment. In addition to frequency-shift keying, facilities for phase modulation of the carrier and for use of the equipment in radiophoto frequency-shift transmission are provided.

The keyed input for this equipment may be any type of signal, including Morse code, teletypewriter, radiophoto, or facsimile.

A crystal oscillator with three preset channels is used and provision is made for the alternate use of an external oscillator, such as the transmitter oscillator.

The equipment may be permanently installed in the associated transmitter cabinet or mounted in a separate mobile cabinet. A coupler unit must be connected between the transmitter and frequency-shift keyer for impedance matching.

<b>AN/TGA-TYPE</b>		INSTRUCTION LITERATURE: NavShips 900,928
FSB :SERVICE TYPE NUMBER		CLASSIFICATION OF EQUIPMENT:Unclassified
FREQUENCY SHIFT KEYER EQUIPMENT		USING SERVICE : Navy DATE OF THIS SHEET : 9 May 52

**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Frequency Shift Keyer CYV-35062 and accessories	16 x 19 x 15	88

**OPERATIONAL CHARACTERISTICS**

**TACTICAL USE:** Shore stations.

**INSTALLATION:** Ground, transportable.

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

**TECHNICAL CHARACTERISTICS**

**FREQUENCY RANGE IN MEGACYCLES:** 1.0 - 6.7.

**TYPE MODULATION:** Fm.

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

**POWER OUTPUT:** 2 w.

**POWER REQUIREMENTS:** 175 w, 115/230 v, 50/60 cyc, 1 phase, ac.

**PHYSICAL CHARACTERISTICS**

Frequency Shift Keyer Equipment FSB measures 16 x 19 x 15 inches, net weight 141 pounds, volume 7 cu ft. Packed for domestic shipment: total weight 315 pounds, total volume 15 cu ft. Shipped in 2 packages.