

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

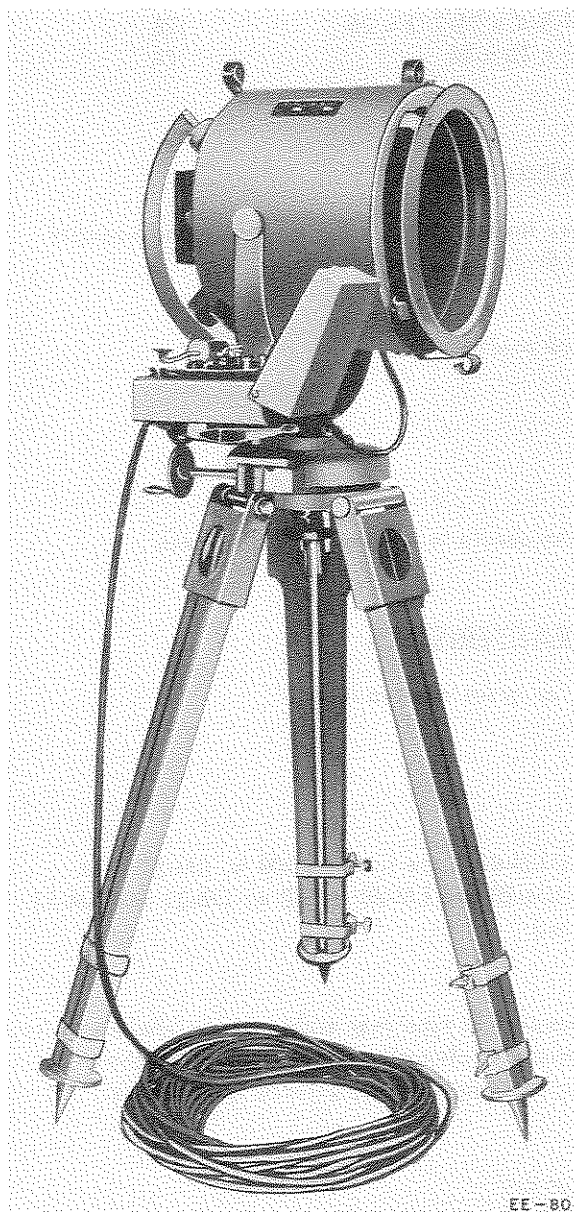
DATE OF THIS SHEET: 22 Jan 52

**AN/TVC-TYPE**

SERVICE TYPE NUMBER:

EE-80

SIGNAL LAMP EQUIPMENT



Signal Lamp Equipment EE-80 is a portable, a-c or d-c operated, tripod-mounted signaling lamp in metal housing, with telegraph key, and is used for signaling with white or colored lights in Morse code.

It is used in the field or harbor defense, coastal signal station and similar applications.

Equipment consists of lamp housing with sighting and control fittings, telescoping tripod, white, red, or green light filters, and accessories.

Signal Lamp Equipment EE-80 includes Signal Lamp M-124; Signal Lamp Equipment EE-80-A uses Signal Lamp M-283, these lamps are interchangeable.

Signal Lamp Equipment EE-80 has been superseded by Signal Lamp Equipment EE-80-A.

**AN/TVC-TYPE**

INSTRUCTION LITERATURE: TM 11-390

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**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Tripod LG-9	38-1/2 x 11	35
1	Chest CH-24	44-3/4 x 26-1/2 x 26	128
1	Signal Lamp M-124 or M-283, Filters, Lamps, Key J-47 etc.	30 x 18 x 26	74

**OPERATIONAL CHARACTERISTICS**

**TACTICAL USE:** Shore signal stations, harbor defense installations, military police and security troops, infantry battalions, armored division traffic control.

**INSTALLATION:** Ground, portable, operates from fixed position.

**APPROXIMATE RANGE (IN MILES):** Day: - 7.  
Night: - 45.

**CAN COMMUNICATE WITH:** Observer stations, or relay points in a line-of-sight system.

**TECHNICAL CHARACTERISTICS**

**NUMBER AND TYPE OF CHANNELS:** 1 (white, red, or green colored light).

**COMMUNICATION SPEED:** Five wpm.

**TYPE LIGHT SOURCE:** Incandescent lamps. (Lamps LM-60-A are rated at 100 w; LM-51-A at 165 w; LM-20 and LM-60 at 250 w; LM-21 and LM-51 at 400 w.)

**SPECIAL FEATURES:** Lamp focusing adjustment, peep-sight type rear sight; crossed-hair-type front sight; gear adjustment mechanism for elevation and azimuthal alignment; telegraphic-type signaling key; masking louvres, colored light filters.

**POWER REQUIREMENTS:** 450 w of 110 ~ 120 v, ac or dc.

**PHYSICAL CHARACTERISTICS**

Signal Lamp Equipment EE-80 measures 60 x 60 x 60 inches, net weight 324 pounds, volume 4.0 cu ft.