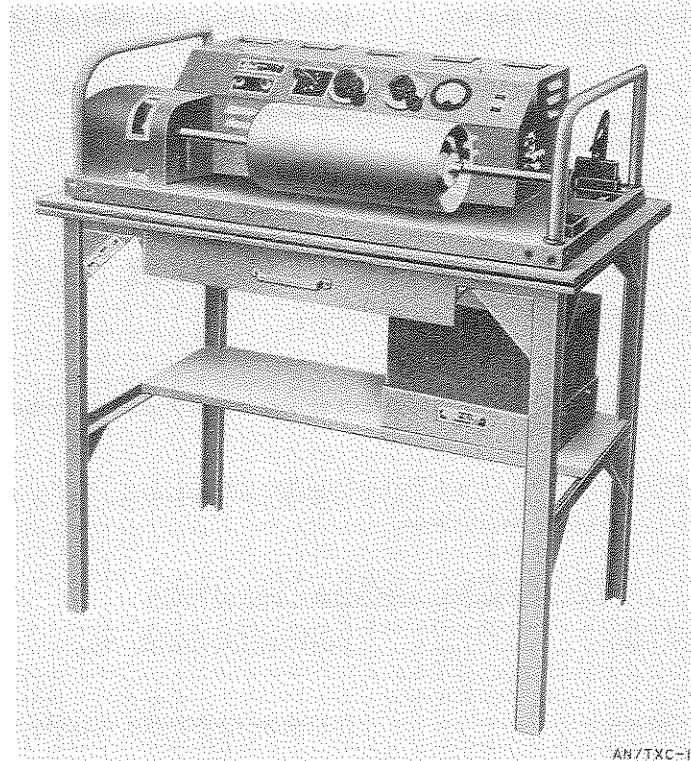


STATUS: Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Army
DATE OF THIS SHEET: 7 Feb 52

AN/TXC-1

FACSIMILE SET



AN/TXC-1

Facsimile Set AN/TXC-1 is a transmitting and receiving equipment for communication of graphic material, such as documents, photographs, drawings, and charts, over conventional communication channels, and is used at division and higher headquarters.

This equipment consists essentially of a rotating drum and optical system and related control mechanisms which can be synchronized with transmitting or receiving facsimile sets operating on the same connecting facility.

This set can be used in wire lines by coupling directly to such facilities through input and output terminals provided on the equipment, or through a coil magnetically coupled to the receiver of a handset, or inductively to certain types of wire lines. It can also be used in radio circuits to produce an a-m signal by means of Converter CV-2/TX to operate on subcarrier frequencies; and by means of this converter in conjunction with Exciter Unit 0-5/FR to operate in frequency shift transmission.

Power requirements are: 250 w of 115-v ac.

AN/TXC-1	INSTRUCTION LITERATURE: TM 11-2258
	CLASSIFICATION OF EQUIPMENT: Unclassified
FACSIMILE SET	USING SERVICE : Army
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Facsimile Transceiver TT-1/TXC-1	40-1/2 x 15-1/2 x 22-1/2	218
1	Table MT-252/TXC-1	40 x 26 x 20	137
1	Rectifier Power Unit PP-86/TXC-1	17-1/2 x 15 x 15-1/4	89
1	Photographic Equipment PH-549/TXC-1 and spare parts	40 x 26 x 26	339

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Division, corps or higher headquarters.

INSTALLATION: Ground, fixed station in permanent or semipermanent locations.

CAN COMMUNICATE WITH: Identical or equivalent equipment operating in the same connecting facility or system.

TECHNICAL CHARACTERISTICS

SIZE OF COPY: 12 x 18 inch. **LINES PER INCH:** 96.

TRANSMISSION TIME: 20 min. **DRUM DIAMETER:** 6-inch.

DRUM SPEED: 60 rpm. **PHASING SIGNAL:** Pulse.

TYPE OF RECORDING: Direct, or photographic positive or negative.

TYPE OF MODULATION: The set itself is amplitude modulation. The frequency shift is in Converter CF-2/TX and is required only when the facsimile set is used on radio circuits.

TYPE TRANSMISSION FACILITIES REQUIRED: Balanced open wire, cable, or equal.

POWER REQUIREMENTS: 250 w at 100 to
130 v, 50/65 cyc.

PHYSICAL CHARACTERISTICS

Facsimile Set AN/TXC-1 weighs 190 pounds net, volume 10 cu ft. Packed for export shipment: total weight 783 pounds, total volume 39 cu ft, 1 ship ton.