

LORAN TRANSMITTING EQUIPMENT

Use.—Radio Transmitter for the Loran system of navigation.

Frequency range.—1,750 to 1,950 kilocycles.

Description.—Loran Transmitter Model T-325/FPN, when triggered, supplies a high-power pulse of radio-frequency energy which is radiated from an antenna and utilized, by both air and surface craft to determine a line of position.

Loran Transmitter T-325/FPN.—This unit is functionally identical with Loran Transmitter T-137 and T-137A.

Terminal Box J-455/FPN.—This component is identical with the Transmission Line Junction Unit supplied with Transmitter Model T-137 and T-137A.

Phase Shifting Unit.—This component is identical

with the unit supplied with Transmitter Model T-137 and T-137A.

Equipment Required but not Supplied.—The equipment required but not supplied, is identical with that of Transmitter Model T-137 and T-137A with the following additions: (1) One Antenna Coupling Unit Type CU-277/URT, or equivalent, to match the transmitter output to the antenna system. (The antenna coupling unit is adjustable, so as to provide an impedance match to antennas having 25 to 150 ohms resistance, -300 to +150 ohms reactance, and operating at frequencies of 1,700 to 2,000 kilocycles); and (2) a 50-foot coil of standard RG-19/U cable for connection of Terminal Box J-455/FPN to the Loran Transmitter.

Weights and Dimensions of Equipment Supplied

Quantity per normal station	Component	Height (inches)	Width (inches)	Depth (inches)	Weight (pounds)
2	Loran Transmitter Model T-325/FPN	(1)	(1)	(1)	(1)
1 ¹	Terminal Box Type J-455/FPN	(1)	(1)	(1)	(1)
1 for each timer	Modification Kit for Navy Model UE-1 Timer	11	6½	6½	4
2 ¹	500-ft reel, Type RG-147/U Cable	(1)	(1)	(1)	(1)
2	Instruction Books				
1 set	Equipment Spare Parts	See Shipping Weights and Dimensions			

¹ Identical with Transmitting Equipment Model T-137.

Shipping Weights and Dimensions

Components	Size (inches)	Gross weight (pounds)	Volume (cubic feet)
Loran Transmitter Model T-325/FPN	(1)	(1)	(1)
Terminal Box Type J-455/FPN	(1)	(1)	(1)
Tubes, one complete set	(1)	(1)	(1)
Modification Kit for Navy Model UE-1 Timer	11 x 6½ x 6½	4	½
500-ft reel, Type RG-147/U Cable	(1)	(1)	(1)
Equipment Spare Parts: Shipping Box Nos. 1 through 26 are identical with Transmitter Model T-137-A.			

¹ Identical with Transmitting Equipment Model T-137.