

AN/ARN-124 Distance Measuring Equipment Set

Status: STD-R; NSN: 5826-01-063-6605

Reference: TB 43-0123
TM 11-5826-300-20

General Information

The AN/ARN-124 is an airborne, L-band receiver-transmitter set which, when installed with appropriate instrumentation, will provide the slant distance from the aircraft to the ground station to which it is tuned. The AN/ARN-124 is remotely tuned by the AN/ARN-82 or the AN/ARN-123 controls which automatically select the proper VOR/DME channel frequency pairings required for en route navigation and ILS approaches.

Technical Characteristics

Frequency Range:

Transmit-----	1041 to 1150 MHz
Receive-----	978 to 1213 MHz
Planning Range-----	370.4 km (230 mi)
Number of Channels-----	200; 100 X-channels, 100 Y-channels
Power Input-----	27.5 V DC, 1.5 A maximum
Power Source-----	Aircraft power system
Power Output-----	Second pulse 100 W minimum
Antenna-----	Any antenna which has impedance of 50 ohms and operates on frequencies from 978 to 1213 MHz
Weight-----	3.9 kg (8.5 lb)

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