

AN/TRC-173 Radio Terminal Set

Status: STD-To be determined; NSN: 5820-01-161-9422

Reference: Not Available

General Information

The AN/TRC-173 operates as a radio or cable terminal and is capable of terminating up to two 18/36 digital multichannel LOS systems. It will be deployed in hybrid (analog/digital) INTACS extension systems during the transitional period. The AN/TRC-173 replaces the AN/TRC-117 and AN/TRC-151 and is used in extension applications.

Major Components

1 Shelter S-589	1 VINSON TSEC/KY-58
2 Radio Sets AN/GRC-103(V)4	1 Power Supply 28 V DC
2 Trunk Encryption Devices TSEC/KG-81	2 Antennas AS-3047/GRC-103
2 Trunk Group Multiplexers TD-1236()/G	2 Masts AB-577
4 Remote Multiplexer-Combiners TD-1234()/TTC	2 Mast Extension Kits MK-806
2 Remote Loop Group Multiplexer Cable Driver Modems MD-1025()/G	1 Intercommunications Station LS-147F/FI
2 Low Speed Cable Driver Modems MD-1023()/G	1 Frequency Electronic Converter CV-2500
2 Digital Data Group Modems MD-1026()/G (up to four modems per case)	2 Dummy Loads DA-437/GRC-103
1 Digital Data Modem MD-1065()/G (103 modem) (two radio modems per case)	1 TA-312/PT
1 Dedicated Loop Encryption Device TSEC/KG-84	1 Headset H-182/PT
1 Orderwire Control Unit C-10716	1 DSVT KY-68
	1 ETD KYK-13
	1 Net Control Device KYK-15/TSEC
	1 Fill cable ancillary components and spares
	1 Tape Reader KOI-18
	1 SINCGARS-V radio
	1 Power Unit AN/MCQ-19

Technical Characteristics

Frequency Range-----	1.35 to 1.85 GHz (Band IV)
Power Output-----	15 W (Band IV)
Range-----	64 km (40 mi)
Power Requirement-----	115 V AC, single phase
Weight-----	2,179 kg (4,800 lb)
Shelter-----	S-589

NOTE: The AN/TRC-173 will be fielded as part of the TRI-TAC system.

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