

AN/TRC-173 Radio Terminal Set

NSN: 5820-01-161-9422

Reference: TM 11-5820-865-12-1

General Information

The AN/TRC-173 operates as a radio or cable terminal and can terminate up to two 18/36 digital multichannel LOS systems. 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 Masts AB-57
- 2 Trunk Group Multiplexer TD-1236()/G
- 2 Mast Extension Kits MK-806
- 1 Intercommunications Station LS-147F/FI
- 4 Remote Multiplexer Combiners TD-1234()/TTC
- 1 Frequency Electronic Converter CV-2500
- 2 Remote Loop Group Multiplexer Cable Driver Modems MD-1025()/G
- 2 Dummy Loads DA-437/GRC-103
- 2 Low Speed Cable Driver Modems MD-1023()/G
- 1 TA-312/PT
- 1 Headset H-182/PT
- 2 Digital Data Group Modems MD-1026()(P)/G (up to four modems per case)
- 1 DSVT KY-68
- 1 Electronic Transfer Device (ETD) KYK-13
- 1 Net Control Device KYK-15/TSEC
- 1 Digital Data Modem MD-1065()(P)/G (103 modem) (two radio modems per case)
- 1 Fill cable ancillary components and spares
- 1 Tape Reader KOI-18
- 1 Dedicated Loop Encryption Device TSEC/KG-84
- 1 SINCGARS Radio
- 1 Power Unit AN/MJQ-19
- 1 Orderwire Control Unit C-10716

Technical Characteristics

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

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