

Antenna Tuner AT T-1

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PRODUCT SUMMARY

The AT T-1 Antenna Tuner is designed for 125 W HF operation in mobile environments where short whip antennas are used. A combination of clever software algorithms and an ability to tune from memory ensures that tuning is fast and efficient. The AT T-1 can be used with the 2110M,2110T HF Manpack and NGT MR Transceivers and will support ALE and Frequency Hopping modes of communication as well as receiver scanning and data transmissions.

The Tuner is contained in a rugged metal case that is waterproof and complies to MIL-STD-810F for vibration and dust ingress. Additionally, the unit is protected from antenna mismatch, and open or short circuit antenna conditions.

The AT T-1 Antenna Tuner is supplied with standard length coaxial and control cables, and optional 2-section vehicle whip antenna and NATO standard antenna mount hardware.



SPECIFICATIONS

Frequency range	2 to 30 MHz
Power rating	10 to 125 W PEP
Input impedance	50 Ω
VSWR	Typically <1.5:1
Tuning Speed	Typically <2 seconds Tune from memory is <160 mS
Antenna length	2 m (3 to 30 MHz) 6 m (2 to 30 MHz)
Protection	Open circuit antenna Short circuit antenna Over temperature High VSWR
Supply current requirements	Scanning: 100mA Tuned: Typically 200 mA Maximum 800 mA

Supply voltage	10 to 16 V DC
Temperature	- 30 to +60°C
Environmental	MIL-STD-810: Waterproof to 1 m for 1 hr (IP68) Vibration Dust
Dimensions	200 mm W x 320 mm D x 170 mm H
Weight	3.6 kg
Connectors	RF: UHF socket Control: 6 pin bayonet (as per 9350)
Case construction	Diecast aluminium alloy
Compatibilities	2110M,T Manpack (with 3160 125 W Power Amplifier), NGT MR Transceiver
Antenna Details	3 m, 2 piece whip antenna with flexible base
Accessories	NATO standard 4 hole pattern antenna base 6 m Control cable (compatible with 9350) 6 m Coaxial cable

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