



**Q-MAC Electronics**

**TA-99 Automatic Antenna Tuning Unit**

**Transcending the Limits**



TA-99

MIL-STD 810F

AUTOMATIC TUNER

Tactical HF Radio



**Simple to Use, Versatile and Rugged**

The TA-99 Automatic Antenna Tuning Unit complements the HF-90 family of transceivers to provide a compact Manpack solution for military, paramilitary and humanitarian applications. The TA-99 is an extremely compact, light weight and easy to use unit. An LED indicator on the front panel shows antenna current by varying intensity according to the outgoing current.

This TA-99 ATU builds on the HF-90's established reputation as the world's smallest high specification HF SSB transceiver.

Users will appreciate the solid construction and ease of use of Q-MAC transceivers. The mechanical design of the HF-90 and TA-99 provides the fastest field service time of any transceiver with only 4 fasteners providing access each all modules in each unit. Emphasis in the design of the TA-99 and HF-90 has been placed on value-engineering to ensure low cost of ownership over a long service life.

- Frequency Hopping Compatible
- Rapid Tuning
- Light Weight
- Rugged Construction
- HF-90 Compatible



**Specifications**

Frequency Range	Fixed Frequency 2-26MHz Hopping with long wire 2-26MHz Hopping with whip antenna 4-26MHz
Power Rating	50 Watts PEP
Input Impedance	50 Ohms
Power Source	Feed from Coax Cable from HF-90
Tune Time	3 Seconds Maximum
Tuning Method	RF Current Measuring. Stepper Motor drives Variable Inductor
Weight	667 grams
Environmental	Mil-Std 810F Immersion, Shock, Vibration, Drop
Current Draw	30mA when tuned. (1Amp during 3 sec tune)
LED Indicator	RF Current Indicator

