



“The AATUMOB for HF is rugged and built to last, inside and out. It will keep you connected, even though it occupies the toughest place on your vehicle.”

CS-AATUMOB

Automatic Antenna tuner for HF antenna for vehicle mounting



FEATURES

The COMSYSTEMS AATU kit contains:

- Tuning unit. (top picture)
- 6 foot single section whip antenna (picture right)
- Cable, 5,5 m
- Spring
- Owner’s manual

The tuning unit matches the antenna impedance to the 50 Ω output impedance of the radio system, with a nominal VSWR of not higher than 1.4 in the 1.6 to 30 MHz frequency range.

The spring located at the top of the tuning unit enables the mechanical flexibility needed in mobile operation.

The 6 foot whip (picture) is made of fiberglass, with a wound copper wire, and a plastic coating. The antenna is mounted via an M16 threaded rod flange.

The tuning unit has a waterproof case and a shock-absorbing base. High voltage isolator placed on the top of the tuning unit provides connection to the whip section, with thread bushing.

SO-239 connector provides connection to the Micom HF transceiver (RF and supply).

10 cm of ground cable is provided, attached to the tuner, plus 75 cm extension.

SPECIFICATIONS

Frequency band:	1.6 to 30 MHz
Input power maximum:	125 W PEP
Tuned Antenna Input Imp.:	50 Ohm with VSWR ≤ 1.4
Tuning time by algorithm:	max 3 sec.
Tuning time from the memory on pre-programmed freq.:	max 0.3 sec.
RF power used for tuning:	6.5-7.5 W
Power supply:	+12V DC at max. 1.2A
Dimensions, tuning unit:	530x128x114 mm
Dimensions whip antenna:	6 feet (1.8 m)
Weight, tuning unit:	4.5 kg
Weight, spring:	1.5 kg
Weight, antenna:	1.0 kg
Operation, temperature range:	-30° C to 50° C
Storage, temperature range:	-40° C to 85° C
Humidity:	Up to 95% within -20° C to 85° C



Antenna whip length: 6 feet

The CS-AATUMOB matches the all Micom HF Series & Micom Z RDP-Carry-ON

