

Antenna Tuning Unit 150 W

A matching device ATU-150 is designed to match 150 W transmitter output with 4-6 m whip antenna in HF range (1500 ... 30000 kHz). ATU-150 provides the antenna input impedance transformation to 50 ohm active resistance with VSWR less than 1.4 . ATU-150 has waterproof aluminum housing and can be mounted with 4 M6 screws. Antenna isolator is located on the top of the device and provides connection to the antenna with a copper braid or wire. ATU-150 is connected to the transmitter with 50 Ohm coaxial cable and the control/power cable of up to 20 m length.



TECHNICAL SPECIFICATIONS

Frequency range:	1500...30000 kHz
Input power:	less than 150 W
Input impedance (matched):	50 Ohm, VSWR ≤ 1.4
Tuning time according to the algorithm	less than 2.5 sec
Tuning time from memory on pre-programmed frequencies	less than 2 msec
RF setting power	14-20 W
Control interface:	RS232/RS422
Antennas	Whip antennas, 4-6 m
Supply voltage	(27 \pm 2) V with current less than 1.0A
Dimensions	398x267x128mm
Weight	11.2 kg
Operation Temperature Range:	-22 to 149°F (-30 to 65° C)
Storage Temperature Range:	-22...149°F (-40...85°C)