

# AT-50

## Automatic antenna tuner

Useful for both mobile and fixed installations, this ensures good performance even at band edges. Accurate tuning is initiated simply



by pressing the AT TUNE key on the TS-50S. And since band data is transferred to the tuner, there is no need to operate the AT-50 directly—it can be installed in a car's trunk. The AT-50 can also be used with other 100W HF transceivers.

## 2. SPECIFICATIONS AND ACCESSORIES

### 2-1. Specifications

Frequency range	Amateur bands from 1.8 to 29.7 MHz
Voltage required	13.8 V DC $\pm$ 15%
Ground system	Negative ground
Current consumed	2 A or less
Power limit ( maximum throughput )	100 W continuous wave ( after tuning )
Operating temperature range	-20 °C ~ +60 °C
Input impedance	50 ohms unbalanced
Maximum VSWR ( after tuning )	1.3 or less
Tuning power	6~20 W
Antenna impedance range	20 to 150 ohms ( SWR : approx. 2.5 or less )
Tuning time	Initial tuning time : 30 seconds or less After first preset : 3 seconds or less
Dimensions [ W x H x D ] ( Including projections )	180 x 60 (68.5) x 233 (247) mm
Weight	2.1 kg