



HF + 50 MHz AUTOMATIC ANTENNA TUNER

# AH-4



## ***Tune-up from HF through 50 MHz band***

### **Tunes wide frequency coverage**

Covers all amateur bands from 3.5 MHz through 50 MHz with a 7 m (23 ft) or longer wire antenna, or the optional AH-2b ANTENNA ELEMENT.

### **Compact yet durable**

The AH-4 measures only 172(W)×71(H)×230(D) mm\*, for easy installation in a variety of locations, outdoors, on a back porch or in your vehicle. Weather-resistant construction, using rubber gasket seals, enables operation in all conditions.

\*6<sup>25</sup>/<sub>32</sub>(W)×2<sup>25</sup>/<sub>32</sub>(H)×9<sup>1</sup>/<sub>16</sub>(D) in

### **Full automatic tuning**

The AH-4 is designed for use with Icom HF transceivers.\* Just push [TUNER] switch on the transceiver and the AH-4 adjusts immediately to the minimum SWR. The AH-4 automatically performs tuning operations for mode, power settings, etc. The average tune-up time is less than 2.5 sec. on each band.

\*Ask about Icom HF transceivers at your nearest authorized Icom dealer.

### **Ample memory channels for quick tuning**

Up to 45 memory channels store minimum SWR settings to provide quick re-tuning.

### **Mobile operation**

Mobile operation is possible with the optional AH-2b ANTENNA ELEMENT. The AH-2b includes a sturdy bumper mount antenna and can hold a 2.5 m (8.2 ft) stainless steel antenna plus necessary hardware. This combination system provides 7–50 MHz band mobile operation.

### **Low power tune-up**

The AH-4 emits only 300 mW of RF output while tuning. This eliminates the possibility of interference with other stations.

### **Simple installation**

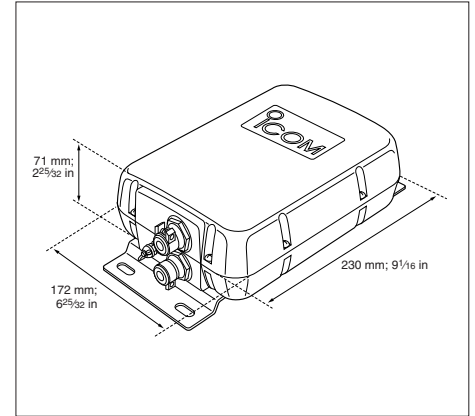
The installation is simple. No adjustments are necessary. Just connect the control and antenna cables.

## SPECIFICATIONS

- Tunable frequency range : 3.5 MHz to 54 MHz  
(with a long wire antenna, 7 m; 23 ft or longer)  
7 MHz to 54 MHz (with an optional AH-2b)
  - Maximum input power : 120 W PEP
  - Input impedance : 50 Ω
  - Input power requirement for tuning:  
10 W (5–15 W)
  - Auto tuning time : Approx. 1 sec.  
(retuning for a memorized frequency)  
Approx. 2–3 sec.  
(when operating band has been changed)  
Max. 15 sec.
  - Auto tuning accuracy : VSWR 2.0:1 or less  
(except 1/2 of antenna length and its multiples)
  - Power supply requirement : 13.8 V DC ±15 % (negative ground)
  - Current drain : Less than 1 A
  - Number of memory ch. : 45
  - Usable temperature range : -10°C to +60°C; +14°F to +140°F
  - Dimensions (proj. not incl.) : 172(W)×71(H)×230(D) mm  
; 6<sup>25</sup>/<sub>32</sub>(W)×2<sup>25</sup>/<sub>32</sub>(H)×9<sup>1</sup>/<sub>16</sub>(D) in
  - Weight : 1.2 kg; 2 lb 10 oz
- All stated specifications are subject to change without notice or obligation.**

### Supplied accessories

- Mounting kit
- Control cable (5m; 16 ft 5 in)
- Insulation cover
- PL-259 plugs
- Coaxial cable (5 m; 16.4 ft)



## OPTION



- **AH-2b ANTENNA ELEMENT**  
For mobile operation, etc. Covers 7 MHz to 54 MHz with the AH-4. Bumper mount and hardware included.
- Element length : Approx. 2.5 m; 8.2 ft
- Feedline length : Approx. 0.9 m; 3.0 ft  
(between the AH-4 and AH-2b)
- Freq. coverage : 7–54 MHz bands  
(with the AH-4)

## INTERNAL VIEW



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