Compact Antenna Tuner for the IC-705,
Tunable 50 Ω Antenna and Long Wire Antenna

- Covers the 1.8 MHz to 50 MHz bands
  - 30 m, 98.4 ft or longer antenna: 1.8 – 54 MHz
  - 7 m, 23 ft or longer antenna: 3.5 – 54 MHz
  * Depending on operating conditions or environment, the tuner may not be able to tune the antenna.

- SO-239 antenna connector for 50 Ω antenna such as dipole or Yagi

- “Terminal connector”, binding post adapter supplied for a long wire antenna*
  * PL-259 plug is supplied for Europe version.

- 2-way power sources using alkaline batteries or external 13.8 V DC*
  * 13.8 V DC should be taken directly from an external power supply, not through the IC-705.

- IP54 dust-protection and water resistance construction*
  * The connectors should be covered with adhesive tape or a jack cover to prevent water seeping into the connection.

- Full automatic tuning, just push the [TUNER] button on the IC-705

- Latching relays used for saving power consumption

- 190 × 105 × 40 mm; 7.5 × 4.1 × 1.6 in, 450 g; 15.8 oz* compact design
  * Battery cells are not included.
**SPECIFICATIONS**

- **Tunable frequency range**: 1.8 – 54 MHz (with a 30 m, 98.4 ft or longer antenna)  
  3.5 – 54 MHz (with a 7 m, 23 ft or longer antenna)
- **Maximum input power**: 10 W
- **Input impedance**: 50 Ω
- **Power requirement for tuning**: 5 W, 10 W
- **Tuning time (approximate)**: Average: 2 – 3 seconds  
  Maximum: 15 seconds
- **Power supply requirement**: Battery: 3.0 V DC (LR6 (AA) alkaline x 2 cells)  
  DC Input: 13.8 V DC (+15%)
- **Current drain**: Less than 300 mA (at tuning)  
  Less than 1 mA (stand-by)
- **Electric polarity**: Negative ground
- **Operating temperature range**: −10°C to +60°C, 14°F to +140°F
- **Tuning accuracy**: Less than 1: 2.0 VSWR  
  (except 1/2 of antenna length and its multiples)
- **Number of tuned memories**: 45 memories
- **Dimensions (W x H x D)**: 190 x 105 x 40 mm; 7.5 x 4.1 x 1.6 in
- **Weight (approximate)**: 450 g, 15.8 oz (battery cells are not included)

All stated specifications are subject to change without notice or obligation.

**Applicable IP Rating**

<table>
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<tr>
<th>Ingress Protection Standard</th>
<th>IP rating</th>
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<td>IP54 (Dust-protection and water resistant)</td>
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**SUPPLIED ACCESSORIES**

- Coaxial cable (2 m, 6.6 ft, BNC connectors, between AH-705 and IC-705)
- Control cable (2 m, 6.6 ft, between AH-705 and IC-705)
- Terminal connector, PL-259 to binding post adapter for a long wire antenna*  
  • Mounting bracket (with a screw and washer)  
  • DC plug

* PL-259 plug is supplied for Europe version, instead of Terminal connector.

**OPTIONAL ACCESSORIES**

- **OPC-2474**: CONTROL CABLE (5 m, 16.4 ft) between AH-705 and IC-705
- **OPC-2475**: COAXIAL CABLE (5 m, 16.4 ft) between AH-705 and IC-705 (BNC connectors)

**PANEL VIEW**

- **TOP (antenna side)**: SO-239 connector  
  (To 50 Ω antenna or long wire antenna)  
  Ground terminal
- **BOTTOM (radio side)**: BNC connector  
  (To IC-705)  
  Control  
  (To IC-705)  
  DC power  
  (13.8 V DC)

The AH-705 fits into the LC-192 multi-function backpack

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