NEW PRODUCT NEWS

Automatic-Matching 100-Memory Antenna Tuner

FC-40

100 Match-Point Data Memories

Automatic Matching for FT-897/857 Series Transceivers

The FC-40 is a microprocessor-controlled antenna impedance matching network designed to provide all-amateur-band transmitting capability with the FT-897/857 Series of transceivers, when used with an end-fed random wire or long whip antenna. The FC-40 makes use of the control circuitry built into the transceiver, which allows the operator to control and monitor automatic operation of the FC-40, which mounts near the antenna feedpoint. The FC-40 uses specially-selected, thermally-stable components, and is housed in a waterproof case to withstand severe environmental conditions with high reliability.

A carefully-chosen combination of solid-state switching components and high-speed relays allows the FC-40 to match a wide variety of antennas to within a 2:1 SWR on any amateur band frequency (160 through 5 meters), typically in less than ten seconds. Transmitter power required for matching may be as little as 4 - 60 Watts, and matching settings are automatically stored in memory for instant recall when the same frequency range is selected later.

COMPACT SIZE
9.4" x 7" x 2.1"
236 x 175 x 53 mm

WATER PROOF

 YAESU
Choice of the World’s Top DXers™
The FC-40 requires only two (supplied) interconnections to your FT-897/857 Transceiver: a coaxial RF cable and a data/control cable. All required power is supplied from the transceiver, and then you just connect your antenna and ground leads for instant operation on your favorite band!

Rugged, low-loss components are employed throughout the FC-40, to ensure reliable operation for many years in a wide range of environmental situations. The high-Q matching network ensures the efficient transfer of power to the antenna radiating element, with the convenience of instant band change thanks to the microprocessor control circuitry.

Specifications

- Operating Frequency Range: 1.8 - 54 MHz with 20+ m end-fed wire, 7 - 54 MHz with YA-007 HF 2.5 m Mobile Whip Antenna
- Input Impedance: 50-Ohms
- Maximum Power: 100 Watts
- Matched SWR: 2.0:1 or less (if antenna is not a multiple of 1/2 λ)
- Tune-up Power: 4 W ~ 60 W
- Tune-up Time: 10 seconds maximum
- Impedance Matching Memories: 100 channels
- Power supply: 13.8 V DC ±15% (supplied from transceiver)
- Case Size (WHD): 9.4” x 7” x 2.1” (236 x 175 x 53 mm)
- Weight: 2.6 lbs. (1.2 kg)