

ATU *Antenna Tuning Unit for SF-Series Antenna*



The ATU Series is designed for use with LPB's SF-Series antennas, typically used for Travelers Information Station/Highway Advisory Radio. Common alternate applications include emergency backup sites for commercial radio stations and regional emergency services.

The ATU Series is designed in a NEMA rated fiberglass enclosure with locking hasp(s) and is designed for mounting to the support pole of the SF-series antenna.

Easy connections for RF In, RF Out and Ground are made on the outside of the enclosure. The internal metering and simple adjustments allow for fine tuning to match any installation. Direct read metering for VSWR ensures the ease of operation and future monitoring.

LPB ATU units have been field proven in extreme weather conditions from freezing mountains to coastal hurricanes.



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ATU PRODUCTS AND PRICING

ATU-30	Antenna Tuning Unit, outdoor mount, 30 watt capacity, Power and VSWR Metering. For use with LPB SF-Series Antennas	\$595
ATU-60	Antenna Tuning Unit, outdoor mount, 60 watt capacity, Power and VSWR Metering. For use with LPB SF-Series Antennas	\$795
ATU-100	Antenna Tuning Unit, outdoor mount, 100 watt capacity, Power and VSWR Metering. For use with LPB SF-Series Antennas	\$995
SF-X Antenna	15 - 25 Foot Vertical Antenna With Bulkhead Mounts for Installation (pole not included), 100mph wind rating	\$595

* Additional TIS/HAR products include transmitters, ground planes, spares kits, audio devices and more

BASIC ATU SPECIFICATIONS

Frequency Range	520-1710 kHz
RF Power Input	2-30w (ATU-30), 6-60w (ATU-60), 25-100w (ATU-100)
RF Input Impedance	50 Ohms, Unbalanced (SO-239 Connection)
RF Output Impedance	1.1 Ohm - 72 Ohm = 1:1 VSWR 0.5 Ohm - 144 Ohm = 2:1 VSWR
Impedance Selection	21 Steps
Inductance Correction Range	100pf to 10,900pf, 109 Steps
Metering	Calibration via Internal Meter RF power input via Internal Meter VSWR via Internal Meter
Connections	RF Input = SO-239 Connection (bottom) Output = Brass Bolt Connection (top) Ground = Brass Bolt Connection (bottom)
Lightning Surge Arrestor	40k Amp IEEE 8/20 Impulse Max Surge < 0.1uS Self-Restoring
Enclosure	NEMA rated fiberglass type with locking hasp(s)
Mechanical (Typical)	Outer Dimensions: 11.5"W x 13.25"H x 5.5"D
Shipping Weight	Approximately 15 pounds



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