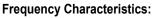


## BIRD® AT SERIES AT-500 & AT-800

## **ANTENNA TESTERS**

The Bird AT-Series Antenna Testers provide a cost-effective, fast, graphical way of determining the quality of mobile and base station antennas.

- · Rugged, easy-to-use, hand-held design with extended battery life makes it ideal for use in the field.
- Tests the system in VSWR, Return Loss, Match Efficiency, or Reflection Coefficient (Rho)
- · Single frequency readings and frequency sweeps allow for everything from pinpointests to system optimization and tuning.
- Can save up to 12 traces for comparison and tracking over time
- RS232 Interface allows communication with a PC for saving traces using the optional software.



Measurements:

Frequency Range AT-500 2 to 520 MHz

AT-800 806 to 960 MHz

Frequency Resolution

Frequency Accuracy ± 50 kHz

Number of points

20 kHz

100

0.000 to 1.000

Match Efficiency 0 to 100% -32 to 0 dB **Return Loss** 

Rho

VSWR 1.00 to 100.00

Rho  $\pm 0.04$ Measurement Accuracy Match Efficiency

**Return Loss** 

**VSWR** 

Calculated from

Rho accuracy

Connector

N(F) supplied. N, TNC, UHF, BNC, male or female available

**VSWR** 1.25 max Directivity 32 dB typical

**Measurement Speed:** 

Single Frequency Point Frequency Sweep

Field Strenath:

PC Interface:

Test Port:

0 to 100%, relative Range Sensitivity

Fullscale deflection and 0.22 V/m @ 400 MHz using supplied antenna

RS-232 protocol via DB-9 port

5 readings per second typical

1 sweep per second typical

**Power Requirements:** 

Power Supply

AC Adapter

Input Output

Rechargeable NiCAD battery system.

Unit may be re-chargedwhile operating using a wall adapter (included)

> 120/240 Vac 12Vdc, < 400 mA

**General Requirements:** Dimensions 8" x 4-5/8" x 1-3/4" (204 x 118 x 42 mm)

Weight 2.0 lbs (0.9 kg)

Temperature, Operating 0 to 50 °C (32 to 122 °F) Temperature, Storage

-40 to +71 °C (-40 to +160 °F) 95% ± 5% max (noncondensing) Humidity Compliance

Unit complies with MIL-T-28800 Class 5 except for temperature and humidity. Unit is

CE-compliant and RoHS compliant.

Accessories:

4240-402 Interseries Adapter, N (M) 4240-403 Interseries Adapter, N (F)

4240-404 Interseries Adapter, BNC (M) 4240-405 Interseries Adapter, BNC (F)

4240-406 Interseries Adapter, TNC (M)

4240-407 Interseries Adapter, TNC (F) 4240-408 Interseries Adapter, UHF (M)

Interseries Adapter, UHF (F) 4240-409 4240-410 Interseries Adapter, SMA (M)

4240-411 Interseries Adapter, SMA (F) 5000-030

Soft Carrying Case for Model 5000-EX Digital Power Meter and Antenna Tester

(AT) Series

Hard Carrying Case for Model 5000-EX

Digital Power Meter and Antenna Tester

(AT) Series

Verification Kit for Model AT-500 Antenna 7000A545 Tester

5000-035

7000A845 Verification Kit for Model AT-800 Antenna

Tester

7000A840 PC software used to upload trace data

for analysis, printing or storage.





