To buy, sell, rent or trade-in this product please click on the link below: http://www.avionteq.com/BIRD-Electronic-Corporation-AT-500-Antenna-Test-Set.aspx



The Bird's® 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 pin point tests to system optimization and tuning.
- Can save up to 12 traces for comparison and tracking over time.
- RS232 Interface allows communication.

PROBLEMS/SOLUTIONS

Harsh environment • Military grade instrument

Extended field use • Long battery life

Antenna failure • Multiple measures to identify failure mode

APPLICATIONS

Ideal for use when a ruggged field instrument is required to validate, test and troubleshoot antenna systems.

Antenna Tester AT-500, AT-800 Series

FREQUENCY CHARACTERISTICS

	5-520 MHz 806-960 MHz	
Frequency Resolution		
AT-500	20 kHz	
AT-800	30 kHz	
Frequency Accuracy		
AT-500	±50 kHz	
AT-800	±100 kHz	
Number of points	100	

MEASUREMENTS

Rho	0.000 to 1.000
Match Efficiency	0 to 100%
Return Loss	-32 to 0 dB
VSWR	1.00 to 100.00
Measurement Accuracy	Rho ± 0.04

TEST PORT

	N(F) (TNC, UHF, BNC male or female adapters available) TNC(F) (N, UHF, BNC male or female adapters available)
VSWR	1.25 max
Directivity	32 dB typical

MEASUREMENT SPEED

Single Frequency Point	5 readings per second typical
Frequency Sweep	1 sweep per second typical

FIELD STRENGTH

Range	0 to 100%, relative
Sensitivity	
AT-500	Fullscale deflection and 0.22
	V/m @ 400 MHz using
	supplied antenna.
AT-800	3M @ 12.6 ERP

FIELD STRENGTH

RS-232 protocol via DB-9 port

POWER REQUIREMENTS

Power Supply Rechargeable NiCAD battery system. Unit may be re- charged while operating using a wall adapter (included)

GENERAL REQUIREMENTS

Dir	nensions	8″ x 4-5/8″ x 1-3/4″ (204 x 118 x 42 mm)
	Weight	2.0 lbs (0.9 kg)
Temperature, O	perating	0 to 50°C (32 to 122 °F)
Temperature	, Storage	-40 to +71 °C (-40 to +160 °F)
I	Humidity	95% \pm 5% max (noncondensing)
Co	mpliance	Unit complies with MIL-T-28800 Class 5 except for temperature and humidity. Unit is CE-compliant and RoHS compliant
ACCESSORIES		
4240-402	Interserie	s 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)	
4240-409	Interseries Adapter, UHF (F)	
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	
5000-035		ying Case for Model 5000-EX Digital eter and Antenna Tester (AT) Series
7000A545	Verificatio	n Kit for Model AT-500 Antenna Tester
7000A845	Verification Kit for Model AT-800 Antenna Tester	
7000B840		re used to upload trace data for printing or storage



