

SITE ANALYZER™ MODEL SA-2500A

EASY-TO-USE CABLE & ANTENNA TESTER WITH DIGITAL POWER METER OPTION



SITE ANALYZER™

World-wide applications include Cellular and PCS/DCS systems with AMPS, CDMA, GSM or TDMA modulation schemes. Other applications include, 3G, Microwave paging, Trunking, WLAN and WLL. Frequency Range is 780 to 2500 MHz

- Easy operation for first-time, occasional or experienced users
- Digital Power meter option compatible with Bird power sensors
- Accurate and repeatable measurements
- Immunity to on-channel interference (+13 dBm) for testing at co-located antenna sites
- High-resolution color display
- Fast sweep rate
- On-screen comparison of live sweep and recalled trace
- Unlimited trace overlays per report to compare antennas and track performance over time

Identify Small Problems Before They Grow Into Big Headaches

The Site Analyzer's advanced design and high resolution color display help you detect minor problems before they become major headaches. Bird's instrument easily uncovers faults that elude less sophisticated testers. And the Site Analyzer's high directivity and low source match ensure accurate and repeatable Match and Fault Location measurements.

- Locate long range problems with 238 display points
- Pinpoint small problems with 60 dB dynamic range
- High resolution marker reports VSWR with the precision of expensive laboratory equipment
- Perform cable insertion loss measurements
- Flash feature allows easy firmware upgrades via e-mail

Superior Signal Immunity Lets You Test When It's Convenient

High ambient RF levels can limit the usefulness of other cable and antenna test instruments.

New Digital Power Meter Option

- Display forward and reflected power as well as VSWR and return loss.
- Compatible with Model 5010 Digital Power Sensor and DPM Elements



METAF

Electronic Solutions – since 1993

BIRD

Electronic Corporation
A Member of Bird Technologies Group

SPECIFICATIONS

SITE ANALYZER™ MODEL SA-2500A

FREQUENCY CHARACTERISTICS MODEL SA-2000A

Frequency Range: 780 - 2500 MHz
Trace Resolution: 238 data points

MEASUREMENT CHARACTERISTICS

Return Loss: 0 to -60 dB
Test Port: N-type female connector
Impedance: 50 Ω
Speed: 1 multi-frequency scan/4 seconds
Immunity to Interfering Signals: Rejects on-channel signals up to +13 dBm.
Maximum Input Signal: +22 dBm

PERIPHERAL PORTS

Data transfer: 9-pin RS-232 (DB9), compatible with PC serial port.
Printer: 25-pin (DB25) parallel. Built-in driver.

POWER

Internal: Rechargeable (fast charge) Li-Ion batteries. 3 hour minimum operating time. Auto shut-off conserves battery life.
External DC: 9 to 16 Vdc, fused
External AC: 90 to 264 Vac, 45-66 Hz

ENVIRONMENTAL

Operating Temperature: -10° to 50° C (14° to 122° F)
Storage Temperature: -40° to 80° C (-40° to 176° F)
Humidity: 95% ±5% max., (non-condensing)
Altitude: Up to 15,000 feet (4572 m)

FORM FACTOR

Dimensions: Hand held not to exceed 24 linear inches.
Weight: 5 lb (2 kg)

STANDARD ACCESSORIES

The Site Analyzer™ includes Carrying Case, Instruction Manual, Serial Cable, PC Tool Software for Windows, AC Power Supply and Automotive Power Adapter.



Standard Accessories

OPTIONAL ACCESSORIES

Insert CAL Combos, Test Cables, Etc.

BEC MODEL NUMBER	DESCRIPTION
SA-2000A	SITE ANALYZER, 806-2300MHZ
CAL-MN-A	CALIBRATION COMBO, (M)N
CAL-FN-A	CALIBRATION COMBO, (F)N
CAL-ME-A	CALIBRATION COMBO, (M)7/16
CAL-FE-A	CALIBRATION COMBO, (F)7/16
5010	DIGITAL POWER SENSOR
DPM ELEMENTS	ELEMENTS FOR DIGITAL POWER SENSOR
TC-MNMN-1.5	TEST CABLE, (M)N-(M)N, 1.5M
TC-MNMN-3.0	TEST CABLE, (M)N-(M)N, 3.0M
TC-MNMN-5.0	TEST CABLE, (M)N-(M)N, 5.0M
TC-MNFN-1.5	TEST CABLE, (M)N-(F)N, 1.5M
TC-MNFN-3.0	TEST CABLE, (M)N-(F)N, 3.0M
TC-MNFN-5.0	TEST CABLE, (M)N-(F)N, 5.0M
TC-MNFE-1.5	TEST CABLE, (M)N-(F)7/16, 1.5M
TC-MNFE-3.0	TEST CABLE, (M)N-(F)7/16, 3.0M
TC-MNFE-5.0	TEST CABLE, (M)N-(F)7/16, 5.0M
PA-MNME	ADAPTER, (M)N-(M)7/16
PA-FNME	ADAPTER, (F)N-(M)7/16
PA-MNFE	ADAPTER, (M)N-(F)7/16
PA-FNFE	ADAPTER, (F)N-(F)7/16
7002B870	TRANSIT CASE, SITE ANALYZER
SA-BATPAK	BATTERY PACK, EXTERNAL

COMPATIBLE PRODUCTS

Model 5010 Digital Power Sensor DPM Elements



Model 5010
Digital Power Sensor

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