



Product Application > Antenna and Cable Testing > Site Analyzers > **SA-1700EX Series**

Markets:

 Gov't/Military  Special  Public Safety

SA-1700EX and SA-1700EXP Site Analyzers

EX Series, Site Analyzer, 25-1700 MHz

- 780-1700 MHz worldwide systems supported include 800 Trunking, APCO 25, and Cellular
- Expanded memory now allows saving up to 15 test set-ups and 238 trace results for later review and archiving
- Other applications include Broadcast, Government, Tactical Military, Paging, etc.
- Upgradeable to SA-2500 EX and SA-6000



Bird's Site Analyzer is the user-friendly test solution for installing, maintaining, and troubleshooting your antenna and cable systems. Field engineers and technicians rely on this rugged, handheld tool to get the job done. Wireless equipment manufacturers, service providers, and contractors worldwide approve of the analyzer's precision VSWR and Return Loss results. The -EXP model includes a Digital Power Meter option to accurately measure the output power of any analog or digital transmitter. Wideband Power Sensors are available from Bird for use with this option and are listed with the Accessories below.

[Element Tables](#) / [Product Support and Service](#)

Accessories:

- 4240-550 - Precision Adapter Kit, 7/16 DIN, SA-Series
- 5010B - ThruLine® Digital Directional Power Sensor
- 5011 - 40 MHz - 4 GHz, Terminating Power Sensor
- 5012 - Wideband Power Sensor, 350 - 4000 MHz
- 7002C870 - Case for Site Analyzer Series
- CAL-FE-C - Combination Open-Short Load, (F) 7/16 DIN
- CAL-FN-C - Combination Open-Short Load, (F) N
- CAL-ME-C - Combination Open-Short Load, (M) 7/16 DIN
- CAL-MN-C - Combination Open-Short Load, (M) N
- DC-DB9-USB - High Speed USB Serial Adapter
- PA-FNFE - Adapter, N (F) to 7/16 DIN (F)
- PA-FNME - Adapter, N(F) to 7/16 DIN (M)
- PA-MNFE - Adapter, N (M) to 7/16 DIN (F)
- PA-MNME - Adapter, N(M) to 7/16 DIN (M)
- SA-BATPAK - Site Analyzer Series External battery pack
- TC-MNFE-1.5 - Test Cable, 1.5m, N(M) - 7/16 DIN (F)
- TC-MNFE-3.0 - Test Cable, 3.0m, N(M) - 7/16 DIN (F)
- TC-MNFN-1.5 - Test Cable, 1.5m, N(M) - N(F)
- TC-MNFN-3.0 - Test Cable, 3.0m, N(M) - N(F)
- TC-MNME-1.5 - Test Cable, 1.5m, N(M) - 7/16 DIN (M)
- TC-MNME-3.0 - Test Cable, 3.0m, N(M) - 7/16 DIN (M)
- TC-MNMN-1.5 - Test Cable, 1.5m, N(M)
- TC-MNMN-3.0 - Test Cable, 3.0m, N(M)

Support Tools:

- [Datasheet](#)
- [Declaration of Conformity](#)
- [Firmware Updater](#)
- [Maximum Distance Article](#)
- [Operation Manual](#)
- [PC Software Tool](#)
- [Quick Reference Card](#)

Product Specifications:

Altitude:	Up to 15,000 feet (4572 m)
Data Transfer:	9 pin-RS-232 (DB9), compatible with serial port
Dimensions:	10.5" x 8.4" x 3.3" (265 mm x 212 mm x 83 mm)
External AC:	90 to 264 Vac @ 45-66 Hz; AC/DC adapter required
External DC:	9-16 VDC fused, <3 A
Frequency Range:	25-1700 MHz
Frequency Resolution:	25 kHz; 25-800 MHz; 50 kHz; 800-1700 MHz
Humidity:	95% ± 5% max. (non-condensing)
Immunity to Interfering Signals:	Rejects on-frequency signals up to +13 dBm
Impedance:	50 Ohms
Internal Time:	Rechargeable Lithium-Ion batteries, 3 hour minimum operating time. Auto shut-off conserves battery life.
Maximum Input Signal:	+22 dBm
Operating Temp.:	-10°C to 50°C (14°F to 122°F)
Power Measurement:	SA-1700EX: No; SA-1700EXP: Yes
Return Loss:	0 to -60 dB
Setup Storage Capacity:	15 Set-Ups/(500) 238 point traces
Speed:	1 multi-frequency scan (238 points)/2 seconds; 1 multi-frequency scan (475 points)/3.5 seconds; 1 multi-frequency scan (949 points)/6 seconds
Storage Temperature:	-40°C to 80°C (-40°F to 176°F)
Test Port:	N-type female connector
Trace Resolution:	238 (default), 475, or 949 per trace
Upgradeable:	Model SA-1700EX is upgradeable to Models SA-1700EXP, SA-2500EX and SA-6000EX. Model SA-1700EXP is upgradeable to Models SA-2500EX and SA-6000EX
Weight:	5.5 lbs. (2.5 kg)