



# Site Analyzer XT Series

## SA-3600XT, SA-6000XT



### The RF Experts

- One unit covers the entire 25-6000 MHz range!
- Easy to operate and field ready for first-time, occasional and experienced users.
- Other applications include 3G, Broadcast, Government, Tactical Military, Microwave, Paging, Public Safety, Trunking, WLAN and WLL, and TETRA.
- Color display is clearly visible in direct sunlight.
- With a single download you can view data as Distance to Fault or Measurement Match-no need to store two traces.
- FDR (Frequency Domain Reflectometry) measurement method results in a highly reliable assessment of the health of critical components in your system; ultimately providing a “heads-up” before a failure occurs.
- Fault location or DTF mode indicates VSWR or Return Loss levels at each point along the cable and antenna system length.
- Cable Loss function measures insertion loss of the cable system over a given frequency range.
- USB communication ports for connection to PC, field sensors and storage devices.

### APPLICATIONS

Suitable for use in Worldwide Cellular and PCS/DCS systems; supporting measurement of CDMA, GSM, TDMA and AMPS modulation schemes.

Other applications include 3G, Broadcast, Government, Tactical Military, Microwave, Paging, Public Safety, Trunking, WLAN and WLL, and TETRA.

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## SPECIFICATIONS

<b>Frequency Range</b>	SA-3600XT SA-6000XT	25-3600 MHz 25-6000 MHz
<b>Frequency Resolution</b>	SA-3600XT  SA-6000XT	25 kHz; 25-800 MHz, 50 kHz; 800-2500 MHz, 150 kHz; 2500-3600 MHz 25 kHz; 25-800 MHz, 50 kHz; 800-2500 MHz, 150 kHz; 2500-6000 MHz
<b>Power Measurement</b>	SA-3600XT SA-6000XT	Yes Yes
<b>Return Loss</b>		0 to -60 dB
<b>Test Port</b>		N-type female connector
<b>Impedance</b>		50 ohms
<b>Speed</b>		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
<b>Trace Resolution</b>		238 (default), 475, or 949 per trace
<b>Storage Capacity</b>		Thousands of setups and traces
<b>Immunity to Interfering Signals</b>		Rejects on-frequency signals up to +13 dBm
<b>Maximum Input Signal</b>		+22 dBm
<b>Data Transfer</b>		Sensor: USB 2.0 Type A PC: USB 2.0 Type B
<b>Internal Time</b>		Rechargeable lithium-Ion batteries. 5-hour minimum operating time. Auto shut-off conserves battery life
<b>External DC</b>		9-15 VDC fused, <3 A
<b>External AC</b>		100 to 240 VAC @ 50-60 Hz; AC/DC adapter required
<b>Operating Temperature</b>		-10° to +50° C (+14° to +122° F)
<b>Storage Temperature</b>		-40° to +80° C (-40° to +176° F)
<b>Battery Charging Temperature</b>		0° to + 35° C (32° to 95° F)
<b>Humidity</b>		95% ± 5% max., (non-condensing)
<b>Altitude</b>		Up to 15,000 feet (4572 m)
<b>Dimensions</b>		10.5" x 8.4" x 3.3" (265 x 212 x 83 mm)
<b>Weight</b>		5.5 lbs. (2,5 kg)
<b>Upgradeable</b>		Yes, SA-3600XT maybe upgrade to SA-6000XT

## STANDARD ACCESSORIES

<b>AC Adapter (15 Vdc Output)</b>	5B2229-1224G-1
<b>Automobile Cigarette Lighter Adapter</b>	5A2238-2
<b>Soft Carrying Case</b>	7002A850
<b>USB Interface Cable</b>	5A2653-10
<b>PC Interface Software Kit</b>	7002A840
<b>Instruction Manual</b>	920-SA-XT
<b>Internal Battery Pack, with 4-pin Connector</b>	5C2431-2

## OPTIONAL ACCESSORIES

<b>CAL-MN-C</b>	Calibration Combo, (M) N
<b>CAL-FN-C</b>	Calibration Combo, (F) N
<b>CAL-ME-C</b>	Calibration Combo, (M) 7/16 DIN
<b>CAL-FE-C</b>	Calibration Combo, (F) 7/16 DIN
<b>5012D</b>	Wideband Power Sensor 350 MHz -4000 MHz
<b>5014</b>	Directional Power Sensor 2 - 2700 MHz
<b>5015</b>	Terminating Power Sensor 40 MHz - 4000 MHz
<b>5015EF</b>	Terminating Power Sensor 40 MHz - 12 GHz
<b>5016D</b>	Wideband Power Sensor 350 MHz - 4000 MHz
<b>5017D</b>	Wideband Power Sensor 25 MHz - 1000 MHz
<b>5018D</b>	Wideband Power Sensor 150 MHz - 4000 MHz
<b>5019D</b>	Wideband Power Sensor 25 MHz - 1000 MHz
<b>7020-1-0101</b>	Power Sensor 350 MHz - 4000 MHz
<b>TC-MNMN-1.5</b>	Test Cable, 1.5 m., N (M) conn.
<b>TC-MNMN-3.0</b>	Test Cable, 3 m., N (M) conn.
<b>TC-MNFN-1.5</b>	Test Cable, 1.5 m., N (M)/N (F) conn.
<b>TC-MNFN-3.0</b>	Test Cable, 3 m., N (M)/N (F) conn.
<b>TC-MNME-1.5</b>	Test Cable, 1.5 m., N (M) - 7/16 DIN (M)
<b>TC-MNME-3.0</b>	Test Cable, 3 m., N (M) - 7/16 DIN (M)
<b>TC-MNFE-1.5</b>	Test Cable, 1.5 m., N (M) - 7/16 DIN (F) conn.
<b>TC-MNFE-3.0</b>	Test Cable, 3 m., N (M) - 7/16 DIN (F) conn.
<b>PA-MNME</b>	Adapter, N (M) to 7/16 DIN (M)
<b>PA-FNME</b>	Adapter, N (F) to 7/16 DIN (M)
<b>PA-MNFE</b>	Adapter, N (M) to 7/16 DIN (F)
<b>PA-FNFE</b>	Adapter, N (F) to 7/16 DIN (F)
<b>4240-550</b>	Precision Connector Adapter Kit, 7/16 DIN, SA -Series
<b>7002C870</b>	Hard Shell Transit Case
<b>RPK5C2431-2</b>	Battery, Spare

