

RSA500A Series



30-SECOND SELL

“This rugged, portable USB spectrum analyzer is perfect for interference hunting and network management in the field. It uses the power of SignalVu-PC software to identify and classify signals, and quickly find unwanted transmitters causing interference.”

PRODUCT HIGHLIGHTS

- Frequency range: 9 kHz-3.0/7.5 GHz
- Acquisition bandwidth: 40 MHz
- Spurious-free dynamic range: 70 dB
- Full featured spectrum analysis capability with Tektronix SignalVu-PC software
- 17 spectrum and signal analysis measurements standard
- Over 15 options for modulation analysis, standards support, pulse, playback of recorded files, mapping, signal classification and more
- Tracking generator with gain/loss, cable loss, distance to fault, VSWR options available
- Ruggedized Mil-Std PRF-28800F Class 2
- Weight: ~6.6 pounds (3 kg)



Find weak and transient interferers, even co-channel interference using the RSA500A with standard real time spectrum analysis.



Mapping with SignalVu-PC.

MODEL	STOCK CODE	DESCRIPTION	FREQUENCY RANGE	CAPTURE BANDWIDTH	SPURIOUS FREE DYNAMIC RANGE	MINIMUM SIGNAL DURATION FOR 100% PROBABILITY OF INTERCEPT
RSA503A	NIC	Portable real time USB spectrum analyzer	9 kHz - 3.0 GHz	40 MHz	-70 dBc	100 μs
RSA507A	NIC	Portable real time USB spectrum analyzer	9 kHz - 7.5 GHz	40 MHz	-70 dBc	100 μs

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SIGNALVU-PC LICENSES*

SVMxx-SVPC	General purpose modulation analysis, 27 modulation types including Zigbee	NIC
SV26xx-SVPC	APCO P25 phase 1 and 2 measurements	NIC
SV28xx-SVPC	LTE FDD and TDD BTS power and BTS ID	NIC
SV54xx-SVPC	Signal Classification/Survey	NIC
SV56xx-SVPC	Signal Playback: Enables playback and re-analysis of recorded R3F files	NIC
SV60xx-SVPC	VSWR, Return Loss, Distance To Fault, Cable Attenuation Measurements. Requires tracking generator on your spectrum analyzer	NIC

RECOMMENDED ACCESSORIES

DF-A0047	Smart Directional Antenna, 20-8500 MHz, with electronic compass and preamp	NIC
DF-A0047-01	Frequency range extension for DF-A0047 directional antenna, 9 kHz-20 MHz, requires DF-A0047	NIC

INSTRUMENT OPTIONS

OPT 04	Tracking Generator: 10 MHz – to maximum range of instrument	NIC
OPT CTRL-G1-x	Portable controller, availability varies by region. Also available as separate item.	NIC

RECOMMENDED SERVICE

C3	Calibration service 3 years	NIC
C5	Calibration service 5 years	NIC
R5	Standard warranty extended to 5 years	NIC
D1	Calibration data report	NIC
D3	Calibration data report, 3 years (with option C3)	NIC
D5	Calibration data report, 5 years (with option C5)	NIC

Recommended SignalVu-PC application licenses (Floating and node-locked licenses available). Other applications available, see SignalVu-PC data sheet for details.

SHIPS WITH PRODUCT

- Battery pack and charger
- Carrying case
- Ruggedized USB 3.0 cable
- USB stick with SignalVu-PC software and all documentation

TOOLS FOR THE CUSTOMER



Data Sheet

FOR MORE INFO VISIT TEK.COM/RSA500

3 Reasons to Buy this Product

- 1 Unmatched, Real-Time Field Interference Hunting Capabilities; also highly portable due to a small form factor, and light weight (< 7lbs).
- 2 Tracking Generator options for Radio Network Maintenance.
- 3 Rugged Chassis and Battery Operated with a 3-year warranty.