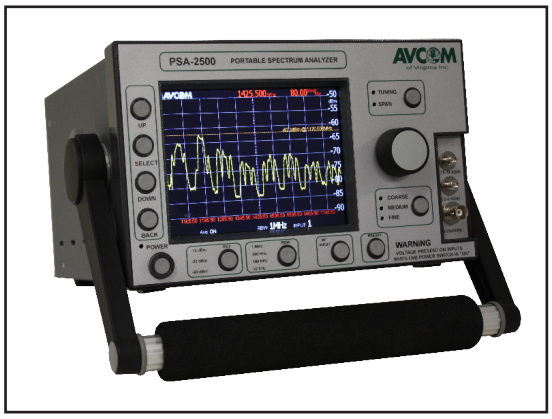
PSA-2500
EXTENDED SERIES

Portable Extended Series Spectrum Analyzer

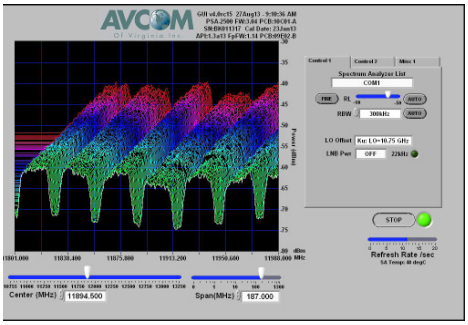


- Designed for Satellite, TV and Radio Broadcasting, CATV, Wireless, TCSM, and GPS
- L.O. Frequency Offsets Displays Direct Frequency Readout
- 10 Customizable Presets/50 User Memory Locations
- Fast Refresh Rates up to 13/sec
- 13/18VDC/22kHz LNA/LNB Power
- Easy-to-use Front Panel Interface, Even When Wearing Bulky Gloves.
- Full Remote Control Monitoring via Ethernet/RS-232 Using Free Remote Control Software (GUI)
- Options Include Carrying Case, Extended Amplitude Range Solutions, Down Converters for Extended Frequency Coverage, and LNB Power

Compact Design-Improved Performance and Specifications

Whether you are doing a satellite installation, troubleshooting a CATV or broadcast system, setting up a remote telemetry system, trying to locate a threatening jamming device, or locating eavesdropping devices, the AVCOM PSA-2500 Extended Series has something to offer. Designed for the teleport, oil and gas, maritime, broadcast, military, TCSM, and wireless community, the PSA-2500 Extended Series is compact, portable, lightweight, affordable, and high value price point for quick and precise signal investigations.

For technicians demanding a greater range, AVCOM's PSA Extended Series goes up to 14.5GHz. This will allow the TV broadcasting engineer to troubleshoot directly at the C-Band or Ku-Band satellite end, and also allow troubleshooting of the 5.8GHz video/audio signals that HD wireless TV cameras use, or the 5.8GHz band that many WLAN 802.11a devices now use.



Versatile Remote Control Software

The PSA-2500 Extended Series can be monitored and controlled both locally from the front panel and remotely using the Avcom Remote Control Software via serial port or Ethernet. The Remote Control Software has an intuitive user interface that is easy to use with no special training required. It allows remote monitoring and control from your network or over the internet. Features include screenshot capture recording, SNMP for alarm/monitoring, markers, and Automated Data Acquisition (DAQ) with tolerance comparison and integrated email alerts, to name a few. Up to twelve windows can be displayed at one time. The GUI is capable of saving and recalling an unlimited number of screenshots and integrates with the PSA-2500 Extended Series to upload or download saved waveforms from the analyzer's internal user memory locations. The Remote Control Software is available for Windows, Mac, and Linux.

PART NUMBER	FREQUENCY RANGE Input 1	FREQUENCY RANGE Input 2	FREQUENCY RANGE Input 3
PSA-2500-CTX	5.5GHz - 6.5GHz	5MHz-2500MHz	-
PSA-2500-KUTX	13.75GHz - 14.5GHz	5MHz-2500MHz	-
PSA-2500-CKUTX	13.75 - 14.5GHz	5.5 - 6.5GHz	5MHz-2500MHz

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TECHNICAL SPECIFICATIONS

SPAN WIDTH:	Up to 1300 MHz (Dependent on Center Frequency)
RESOLUTION BANDWIDTH:	10kHz, 100kHz, 300kHz, 1MHz
RF SENSITIVITY:	Greater than -85 dBm Typical
REFERENCE LEVELS:	Selectable -10 dBm, -30 dBm, & -50dBm (front panel) (5dBm increments in GUI)
SCALE:	5 dB/Div & 2 dB/Div
DYNAMIC RANGE:	40 dBm on Application Window (50dBm GUI window)
AMPLITUDE ACCURACY:	± 1 dB typical
FREQUENCY ACCURACY:	± 1kHz typical
MAX RF INPUT:	25 VDC MAX (DC Blocked), +30dBm (1W)
INPUT IMPEDANCE:	50 Ω
AMPLITUDE RANGE:	0 dBm to -85 dBm (standard) 0 dBm to -105 dBm (preamp option) *Preamp option available on bottom input only
INPUT CONNECTOR:	Top Input(s): SMA only. Bottom Input: BNC standard. Others available.
LNB POWER:	13-18V, 22kHz available on Input 1 only
OPERATING TEMPERATURE RANGE:	-10°C to +60°C
SIZE:	9″ L x 9.25″ W x 5.75″ H (22.9 x 23.5 x 14.6cm)
WEIGHT:	7.2lbs (3.36kg)
BATTERY RUN TIME:	1 hour typical
POWER:	15V@3A max
DISPLAY:	5.7″ TFT-LCD, 640x480 (VGA), 16-Bit RGB

Options

- Avsac nylon carrying case

Accessories include universal AC adaptor (100 to 240Vac), AC cord, and software.