

PSA Series

Portable Wideband Spectrum Analyzer

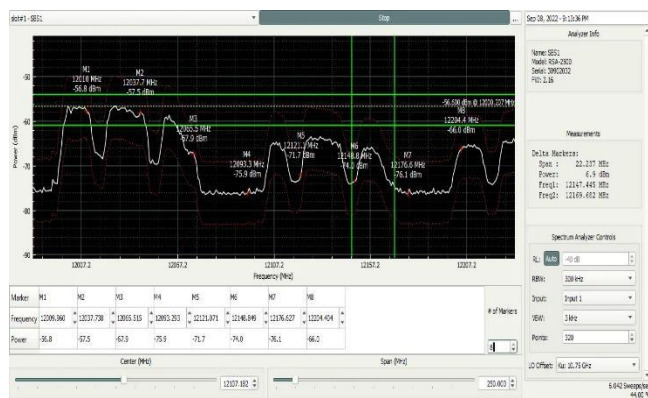


- Designed For Satellite, TV And Radio Broadcasting, CATV, Wireless, TCSM, and GPS
- L.O. Frequency Offsets Displays Direct Frequency Readout
- 10 Customizable Presets/50 User Memory Locations
- Fast Refresh Rates Up To 13/sec
- 13/18Vdc/22kHz LNA/LNB Power
- Easy-To-Use Front Panel Interface, Even When Wearing Bulky Gloves.
- Full Remote Control Monitoring Via RS-232 Using Free Remote Control Software
- Up To 2 Customizable Inputs Available
- Options Include Carrying Case, Extended Amplitude Range Solutions, Down Converters For Extend-

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 has something to offer. Designed for the teleport, oil and gas, maritime, broadcast, military, TCSM, and wireless community, the PSA is compact, portable, lightweight, and budget friendly for quick and precise signal investigations. Being intuitive and easy to operate and providing many functions to facilitate quick and easy measurements, the PSA is an indispensable tool for engineers and technicians who conduct field measurements anywhere in the 5MHz to 2.5GHz range. For technicians demanding a greater range, AVCOM's external down converters may be used to extend the range up to 6.5GHz.

The color LCD display provides the user with an accurate and detailed picture of the spectrum being investigated, even when operating under challenging bright sunlight or other difficult lighting conditions. The field replaceable Li-Ion battery uses an internal charger and a multi segment battery status indicator is provided. The PSA comes equipped with 13V/18V/22kHz LNB power to directly power the satellite LNB, and programmable LO Offset selection provides no-math direct frequency readouts of low side or high side LNB's. Up to ten user-defined presets allow for executing quick repetitive testing parameters. Screenshots may be saved on the PSA and can be recalled on-screen for comparing signal footprints or can be downloaded to a PC using AVCOM's free software for documentation. The number of applications and features of the PSA are endless so contact us today!



Versatile Remote Control Software

The PSA can provide discrete remote monitoring and control from anywhere in the world. The PSA is monitored and controlled using the Avcom Remote Control Software EVO-GUI via USB, or Ethernet. The EVO-GUI has an intuitive user interface that is easy to use with no special training required. Up to sixteen windows can be displayed at one time. The Avcom GUI will run on the WINDOWS OS. The GUI is preconfigured for actual remote analyzers we keep online so that you can try the software before purchasing. Please contact Sales for more information on getting the software.

TECHNICAL SPECIFICATIONS

FREQUENCY RANGE:	PSA-2500C: 5MHz – 2300MHz
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) +10 dBm to -65 dBm (attenuator option)
INPUT CONNECTOR:	Input 1: "BNC" is standard. F, TNC, SMA, N available. Input 2: Optional
LNB POWER:	13-18V, 22kHz (optional)
OPERATING TEMPERATURE RANGE:	-10°C to +60°C
SIZE:	7" L x 9.25" W x 5.75" H
WEIGHT:	6lbs
POWER REQUIREMENTS:	+15 VDC @ 3 amp max
DISPLAY:	5.7" TFT-LCD, 640x480 (VGA), 16-Bit RGB

Specifications subject to change. ©2023 Avcom of Virginia, Inc. Rev 3

Options

- Ethernet
- Microwave Down Converters
- Preamp (-70dBm Reference Level) available on input 1 only*
- Attenuator (+10dBm Reference Level) available on input 1 only*
- LNB to one or both inputs
- Avsac nylon carrying case

**Preamp and Attenuator not available on same input*

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