

SNG-2500

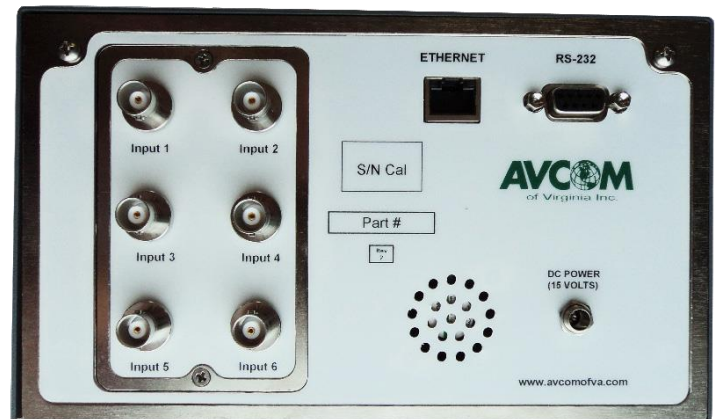
Rack Mount Spectrum Analyzer



- Simple And Easy to Use Design at A Low Price
- 10 Customizable Presets
- VGA Color Display
- Fits Into Tektonix 1700 Series Dual Mount Tub
- Fast Refresh Rates Up To 13/sec
- Full Remote Control Monitoring Via RS-232 Using Free Remote-Control Software (GUI)
- Up To 6 Customizable Inputs Available
- L.O. Frequency Offsets for Direct Frequency Readout
- 50 User Memory Locations
- Options Include Rackmounts, Extended Amplitude Range Solutions, Down Converters for Extended Frequency Coverage, And LNB Power

Direct Replacement for TEK 1705A

Designed for satellite news gathering, the SNG is an excellent, cost-effective upgrade to the discontinued Tektronix 1705A with a feature set that is second to none, giving the Satellite Technician a very useful tool for finding and peaking on satellites. The SNG is not only a spectrum analyzer but also a carrier monitor. The SNG also offers L.O. Frequency Offsets which allows the operator to display the frequency in L-Band, C-Band, Ku-Band, or any custom band needed.



(Rear view of SNG-2500C-6BL)

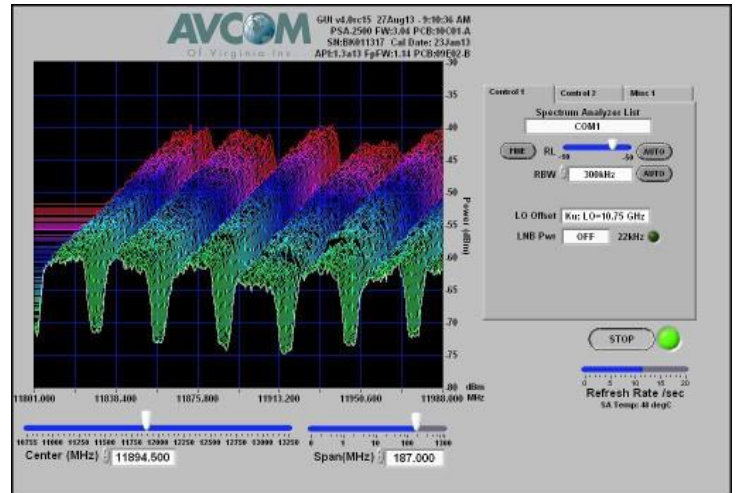


Improved Performance & Specifications

The SNG is designed for the measurement of communications and broadcast carriers, making uplink, downlink, L-band carriers, IF, and 10MHz reference signals easy to monitor and measure. The SNG provides excellent frequency and amplitude accuracy along with RBW selection from 10kHz to 1MHz. This is required to allow viewing and monitoring of small Telemetry, Tracking, Command Systems (TT&C), and data carriers found in many satellites communications markets today. The front panel can control Frequency & Span with settings for Fine, Medium, and Coarse to allow the operator to dial into the carrier and control the display as needed. The use of persistence, averaging, or waterfall tools allow periodic signals like TDMA or noisy carriers to be more easily detected.

Versatile Remote-Control Software

The SNG can be monitored and controlled both locally from the front panel and remotely using the Avcom Remote Control Software via serial port or optional 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 screen shot capture recording, SNMP for alarm/monitoring, cross-polling, 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 Remote-Control Software is available for Windows.



Options

- Up to six inputs in any combination (BNC, F, TNC, SMA, and N available)
 - Preamp (-70dBm Reference Level) *
 - Attenuator (+10dBm Reference Level) *
 - LNB can be added to Inputs 1-4*
 - RMT-45 Rackmount
- * Available on inputs, individually
Accessories include universal AC adaptor (100 to 240Vac), AC cord, and software

SNG-2500 - TECHNICAL SPECIFICATIONS DATA

PARAMETER	PERFORMANCE
FREQUENCY RANGE	SNG-2500C: 5 - 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. Inputs 2-6: Optional
LNB POWER:	13-18V, 22kHz (Optional)
OPERATING TEMPERATURE RANGE	-10 °C to +60 °C
SIZE	16.75" L x 8.375" W x 5.0" H
WEIGHT	5lbs
POWER REQUIREMENTS	+15 VDC @ 1 amp typical
DISPLAY	5.7" TFT-LCD, 640x480 (VGA), 16-Bit RGB

Specification subject to change. ©2024 Avcom of Virginia, Inc. 2024 – Rev. 5.0