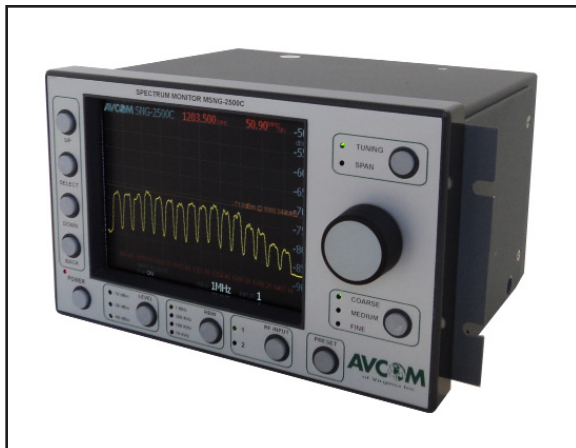


## MSNG SERIES

## Mini Rack Mount Spectrum Analyzer



- Same Exact Functionality As The Standard Full Sized SNG
- 60% Shorter In Length Compared To The Full Sized SNG
- Easily Integrates Into Constrained Areas Where Space Is Critical
- Mounting Brackets Standard
- Up To Two Switchable Inputs
- Simple And Easy To Use Design At A Low Price
- 10 Customizable Preset
- Fast Refresh Rates Up To 13/sec
- L.O. Frequency Offsets For Direct Frequency Readout
- 50 User Memory Locations

### Mini SNG

The trends in electronic news gathering are constantly changing. The trucks used in this industry are changing as well. Today's SNG/ENG environment calls for faster, lighter, and less expensive vehicles to perform satellite operations. Traditional full size vans, Sprinters, and other large trucks are now being replaced with SUVs, minivans, and even small hybrid station wagons! This puts additional pressure on the engineer to be able to utilize all the gear needed to effectively do the job. This means the equipment must be updated and modified as well to meet the demands of today's field engineers. AVCOM's MSNG Series does just that. The MSNG performs all the same tasks as its predecessor, the industry standard SNG, but at a size that's over 60% shorter! The MSNG can be ordered with one or two inputs and LNB power as an option if needed.

### Performance & Specifications

The MSNG 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 MSNG 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 satellite 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.

### Options

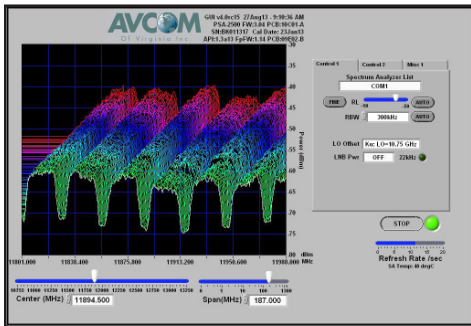
- Up to two inputs in any combination (BNC, F, TNC, SMA, and N available)
- External Microwave Down Converters
- Ethernet
- LNB Power

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



SNG

MSNG



## 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, Mac, and Linux.

## TECHNICAL SPECIFICATIONS

<b>FREQUENCY RANGE:</b>	MSNG-2500C: 5MHz – 2,500MHz
<b>SPAN WIDTH:</b>	Up to 1300 MHz (Dependent on Center Frequency)
<b>RESOLUTION BANDWIDTH:</b>	10KHz, 100KHz, 300KHz, 1MHz
<b>RF SENSITIVITY:</b>	Greater than -85 dBm Typical
<b>REFERENCE LEVELS:</b>	Selectable -10 dBm, -30 dBm, & -50dBm (front panel) (5dBm increments in GUI)
<b>SCALE:</b>	5 dB/Div & 2 dB/Div
<b>DYNAMIC RANGE:</b>	40 dBm on Application Window (50dBm GUI window)
<b>AMPLITUDE ACCURACY:</b>	± 1 dB typical
<b>FREQUENCY ACCURACY:</b>	± 1KHz typical
<b>MAX RF INPUT:</b>	25 VDC MAX (DC Blocked), +30dBm (1W)
<b>INPUT IMPEDANCE:</b>	50 Ω
<b>AMPLITUDE RANGE:</b>	0 dBm to -85 dBm
<b>INPUT CONNECTOR:</b>	Input 1: "BNC" is standard. F, TNC, SMA, N available. Input 2: Optional
<b>LNB POWER:</b>	13-18V, 22kHz (Optional)
<b>OPERATING TEMPERATURE RANGE:</b>	-10°C to +60°C
<b>SIZE:</b>	6.625" L x 8.375" W x 5.0" H
<b>WEIGHT:</b>	4.6lbs
<b>POWER REQUIREMENTS:</b>	+15 VDC @ 1 amp typical
<b>DISPLAY:</b>	5.7" TFT-LCD, 640x480 (VGA), 16-Bit RGB

Specifications subject to change. ©2014 Avcom of Virginia, Inc. v011515