



RACKMOUNT SPECTRUM ANALYZERS

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SNG - 2500C

- Simple And Easy To Use Design At A Low Price
- 10 Customizable Presets
- VGA Color Display
- 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 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 satel- lites. The SNG is not only a spectrum analyzer but also a carrier monitor. The SNG also offers L.O. Frequency Offsets which al- lows the operator to display the frequency in L-Band, C-Band, Ku-Band, or any custom band needed.



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 satellite communications mar- kets 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.





PORTABLE SPECTRUM ANALYZERS

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|-------------------------------------|---|
| FREQUENCY RANGE: | SNG-2500C: 5MHz – 2,500MHz |
| 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 |