

SA1454 Portable Signal Analyzer

An integrated TV/RF signal level meter, signal quality analyzer and spectrum analyzer which isolates antenna, cable, TV and RF distribution problems in minutes.

Features

- Analyze analog NTSC TV-RF signals off-air or on cable for RF level dBmV, A/V, C/N & Hum%
- Analyze digital TV-RF signals off-air (8-VSB) or cable (QAM) for average power, digital flatness, C/N ratio and emulated BER (Bit-error-rate)
- Test for signal leaking from TV-RF systems in homes or commercial building to avoid CLI disconnection by the cable company
- Document TV-RF system performance by logging channel measurement data and printing the stored test results
- Less than 3 lbs, over 4 hours of continuous battery use

Spectrum Analyzer Applications

- See TV-RF carriers simultaneously for fast level and tilt adjustment comparisons
- Visually inspect near or in a TV-RF channel to find interference carriers
- Visually see channel signal flatness to orient antenna for best digital TV reception
- Analyze reverse cable modem and telephony signals from 5-50 MHz
- Teams with Sencore Noise Generator for frequency response testing TV-RF devices/systems
- Custom channel plans to match off-air or cable channels in your area or cable system
- Exclusive Bar Graph display shows the signal level of 120 channels simultaneously
- Tilt display plots ten user-specified channels for fast system tilt analysis



Call Today! 1-800-736-2673 or 1-605-339-0100

3200 Sencore Drive
Sioux Falls, SD 57107
USA
Phone: 1-800-736-2673 (1-800-SENCORE)
Fax: 605-339-0317

Specifications

Automated or Manual Spectrum Analysis

Frequency Range: 5-870MHz
 Dynamic Range: >60dB
 Resolution Bandwidth: 100kHz
 Reference Level: TV from 15dBuV to 125dBuV
 Or -45 to +66dBmV
 -93 to +18dBm
 Marker Frequency: 5-870MHz
 Marker Analog or Digital: Automatic
 Bar Scan: 19 to 120 channels (selectable)
 Storage of Bar Scan: Up to 20 pictures

Analog Measurements

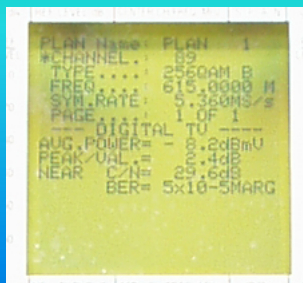
Frequency Band: TV & Radio 5-870MHz
 Frequency Resolution: 62.5kHz
 Input Impedance: 75 Ohms
 Dynamic Range Meas.: 15dBuV to 125dBuV
 Or -45 to 65dBmV
 Or -98 to +16dBm
 Measurement Resolution: 0.1dB
 Level Meas. Accuracy: 1dB typ. (2dB max)
 A/V Ratio: 1.5dB typ. (2dB max)
 C/N Ratio: 2dB type (4dB max)
 Meas. Filter Band: 100kHz @ -3dB
 Channel Plan Memory: 600 memory positions
 Leakage: band 115-140MHz
 Ingress: band 5-65MHz

Digital Measurement

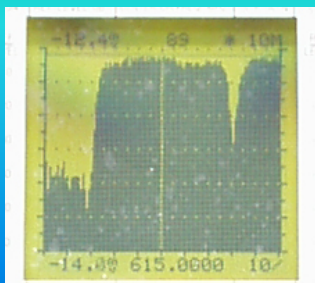
(Emulated digital measurement for 8VSB, QAM64-12-256)
 Frequency Band: 47-870MHz
 Power Meas. Band: From 25dBuV to 116dBuV
 or -35 to +56dBmV
 -85 to +8dBm
 BER Measurement: bBER up to 2x10-8
 Digital Signal Quality: PASS-MARG-FAIL
 Based on C/N measurement
 Multiplex Flatness: Digital-Degraded-Analog
 Digital Power Limit: Indicates signal power too high
 or too low

General Specifications

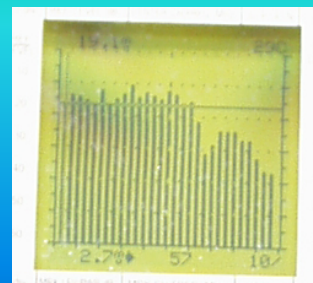
Voltmeter Function: AC, DC, 0 to 100V
 Channel plan master copy function: (optional via PC)
 Power Supply: -Built in NI-CD rechargeable
 battery: 8 batteries
 -External power supply: 17 Vac
 or 20Vdc 1A
 -AC/DC adapter: 120V
 Battery Duration (25°C) 4-6 hours in analog mode
 3-4 hours in digital mode
 Size: H 11.8" x W 4.33" x D 2.36"
 Weight: 2.7 Lbs
 Download Port: RS232 standard serial port
 Display: 128 x 128 pixels, 2.5" square



Summary Display



Spectral Display



Bar Scan Display

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