Signal Analyzer

SA 1454

Cable Signal Analyzer that allows you to view and measure both analog and digital signals

The SA 1454 provides you with a full featured spectral display for finding and analyzing both analog and digital signal problems. It features full tuning capabilities from 5-870 MHz for testing both forward and reverse path frequencies. The SA 1454 gives you the capability to test all analog and digital signals including 8 VSB, 64 QAM, 128 QAM, and 256 QAM.

Full Spectral Display:
The full spectral display allows you to view your full channel line-up or a specific channel or frequency for quick and accurate signal troubleshooting and verification, including the reverse-band path.

Troubleshoot RF:
Simple and easy to understand displays for both analog and digital signal parameters that provide you with all the information you need to troubleshoot and analyze RF signals.

Analog Signal Parameters:
Provides complete analog signal parameters including; RF level, Carrier-to-Noise, Audio-to-Video ratio and audio output.

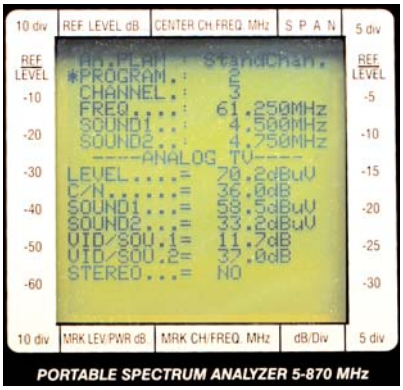
Digital Signal Parameters:
Provides complete digital signal parameters including: Average Peak Power, Bit-Error Rate (BER) , Carrier to Noise measurements.

Leakage and Ingress:
The SA 1454 provides you with both signal leakage and ingress testing capabilities. In the new digital world, ingress can cause serious signal delivery problems. Most signal ingress problems can be directly traced back to the consumer side of the drop.

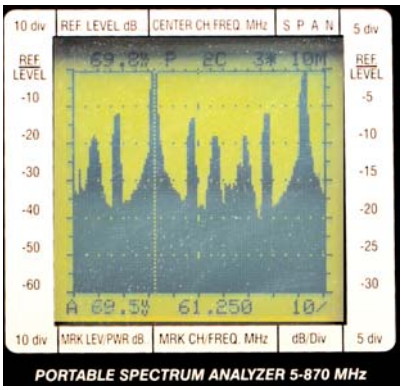
Added Features:
Provides data storage and printing capabilities for system documentation and future data reference.
Built-in voltmeter provides quick testing for voltage that may be present on the cable, especially handy for systems that are providing telephony and high-speed data, as well as video.

SENCORE

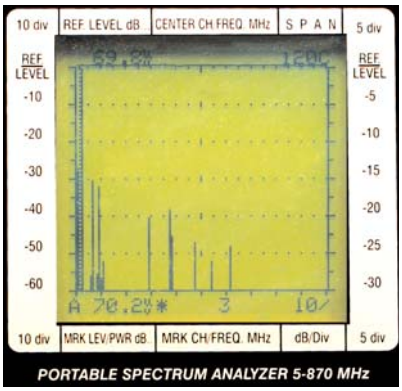
Specifications



Summary Display



Spectral Display



Bar Scan Display

Automatic or Manual Spectrum Analysis:

Frequency range:	5-870MHz
Dynamic range:	>60dB
Resolution bandwidth:	100KHz
Reference level:	TV from 15dBuV to 126dBuV or -45 to +66dBmV -93 to +18dBm
Marker Frequency:	5-870MHz
Marker Analog or Digital:	Automatic
Bar Scan:	From 19 to 120 channels (selectable)
Storage of bar scan:	Up to 20 pictures

Analog Measurements:

Frequency band:	TV and Radio 5-870Mhz
Frequency resolution	62.5KHz
Input impedance:	75 Ohms
Dynamic range measu.:	15dBuV to 125dBuV or -45 to +65dBmV or -98 to +16dBm
Measurement resolution:	0.1dB
Level measurement acc.:	1dB typ. (2dB max)
A/V ratio :	1.5dB typ (2dB max)
C/N ratio :	2dB typ (4dB max)
Measur. filter bandwidth:	100KHz @ -3dB
Channel plan memory:	600 memory positions
Leakage:	band 115-140 Mhz
Ingress:	band 5-65 Mhz

Digital Measurement:

(Emulated digital measurement for 8VSB, QAM 64-128-256)

Frequency band:	47-870 MHz
Power measurement dynamic range:	From 25dBuV to 116dBuV or -35 to +56dBmV -83 to +8dBm
BER measurement:	bBER up to 2x10-8
Digital signal quality test:	PASS-MARG-FAIL Based on C/N measurement
Multiplex flatness analysis:	Digital-Degraded-Analog
Digital power limit indication:	To indicates that the signal power is too low or too high.

General Specifications:

Voltmeter function:	AC (Square wave), 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 20 Vdc 1A
	-AC/AC adapter: 120V
Battery duration at 25 degree C:	4-6 hours in analog mode 3-4 hours in digital
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

For more information call:
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