SENCORE

SA 1454

Signal Analyzer

USER'S MANUAL

1.3 Specifications – SA 1454

Spectrum Analysis:
Frequency range: 5–870MHz
Dynamic range: >60dB
Resolution bandwidth: 100KHz
Reference level: –50dBmV to +65dBmV
                        +10dBuV to +125dBuV
Marker Frequency: 5-870MHz
Marker Analog or Digital: Automatic
Bar Scan: From 9 to 120 channels (selectable)

Analog Measurements:
Frequency band TV and Radio: 5–870Mhz
Frequency resolution: 62.5KHz
Input impedance: 75 Ohms
Measurement range:
                      -50dBmV to +65dBmV
                      +10dBuV to +125dBuV
Measurement resolution: 0.1dB
Accuracy @ 20˚ C:
   Level measurement:
                      ±1dB typ (2dB max)
   A/V ratio:
                      ±1.5dB typ (2dB max)
   C/N ratio :
                      ±2dB typ (4dB max)
Measurement. filter bandwidth:
                       100KHz @ -3dB
Channel plan memory:
                      6 memory positions
Standard: NTSC

Digital Measurement:

Frequency band: 47–870 MHz
Digital measurement:
           Annex B QAM 64 / 256, 8-16 VSB, Annex A & C QAM 16 to 256
Power measurement range:
           –35dBmV to +56dBmV
           +25dBuV to +116dBuV
BER measurement:
           Before RS BER up to 2x10-8 (emulated)
Digital signal quality test:
           PASS-MARG-FAIL
           Based on emulated BER measurement
Digital power limit indication:
           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 or via PC
Power:
           Built-In NI-CD rechargeable battery
           External power supply: 17–20 VAC 1A
           AC Adapter: 120V
Battery duration at 25 degree C:
           3-4 hours in analog mode
           2-3 hours in digital mode
Size: H 11.8" x W 4.5" x D 2.4"
Weight: 2.5 lbs.
Download port: RS232 standard serial port
Display: 128 x 128 pixels, 2.5" square

General
Power Requirements: 120 V AC,
                Rechargeable Battery Life: 2-4 Hrs Continuous
                Battery Saver Auto Off: 5 min. nominal (defeatable)
                Battery Charge Time: 4 Hrs.

Data Logging: 100 Sites

Size: 11.8" H x 4.5" W x 2.4" D

Weight: 2.5 lbs.

Environmental
Operating Temperature: 14°F to +122°F
Storage Temperature: –40°F to +150°F
Humidity: 0 to 90% (non-condensing)

Specifications Subject to Change Without Notice