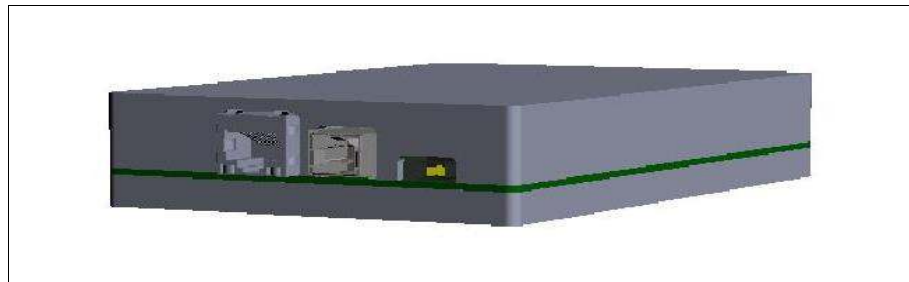


SPECTROLA

Key Features:

- 800 MHz to 2.7 GHz
- Covers all popular licensed wireless bands
- Covers the 900 MHz and 2.4 GHz (WiFi) ISM bands
- 5 Res. BW settings from 3 kHz to 1 Mhz
- Noise floor of -115 dBm at 3 kHz RBW
- Single Sweep dynamic range > 80 dB
- Supports full span and zero span measurements
- All-analog mode provides detection capability for fast-hopping signals

SA-1000 SPECTRUM ANALYZER



View of enclosure and interface connectors.

The Spectrola SA-1000 Spectrum Analyzer is a precision analyzer optimized for accurate measurements over a wide dynamic range, and it features an all-analog mode for the detection and measurement of fast-hopping and dynamic signals such as GSM cellular. It is designed to cover all of the licensed and unlicensed wireless bands between 800 MHz and 2.8 GHz.

In commercial and military environments, ruggedness and reliability are very important. Because of this, all Spectrola products are designed to meet the requirements of MIL-STD-810F, and they undergo rigorous testing to ensure the product will work when you need it to.

Specifications

RF Performance

- Frequency range: 880 Mhz to 2.7 GHz
- Res BW: 3Khz, 10 kHz, 30 kHz, 100 kHz, 1 MHz
- Video BW: 1 kHz to 1 Mhz in decade steps
- Noise floor: -115 dBm/Hz at 3 kHz, -100 dBm at 100 kHz, -90 dBm at 1 MHz
- Level Accuracy: +/- 1.5 dB over frequency and temperature
- Phase Noise: <80 dBc/Hz at 10 kHz

Prime Power Requirements

- Input voltage: 15—24 VDC
- Power Draw: 15W max
- Power supply filtering included in unit for industrial environments

Environmental

- Shock and vibration per MIL-STD-810F
- Temperature:
 - Operational: -40 to +60C meeting full specifications, up to +70 with degraded performance
 - Storage: -40 to +70
- Humidity: 90% non-condensing
- EMI: complies with FCC rules CFR Title 47 Part 15 - Class A (unintentional radiator, industrial and commercial)

Mechanical

- Dimensions: 5.75" x 3.75" x .75"
- Weight: < 1 lb.
- Shielding: unit fully enclosed for mechanical integrity and RFI shielding in noisy environments.
- Connectors, USB, Ethernet, and SMA (TNC and BNC available)

RoHS Compliant

Spectrola Incorporated

www.Spectrola.com

678-517-5354

5703 Creekside Dr.

Norcross, GA 30092