1GHz and 2.6GHz **Spectrum Analyzer/Adapter**

7700 1GHz Spectrum Analyzer/Adapter

- Wide 10MHz to 1000MHz Frequency range
- Advanced DSP design converts any oscilloscope into a 1GHz spectrum analyzer. Requires minimum 20MHz **Dual Trace Oscilloscope**
- -90dBm sensitivity
- Resolution Bandwidths to 3kHz
- Direct CRT readout of frequency and signal level
- Can be used for EMI and RFI compliance testing
- This Spectrum Analyzer is ideal for testing AM, FM, CB, Cellular, Marine, Aircraft and Cable Televison equipment
- Troubleshoot IF and RF circuits, wireless products such as two way radios, PCS, and cellular telephones, cable TVsystems, wireless remotes, microphones and monitors
- On-screen markers with freq and level readouts
- Internal Calibration signal



7800 2.6GHz Spectrum Analyzer/Adapter

- 10MHz to 2.6GHz frequency range
- Advanced DSP design converts any 20 MHz or greater dual trace oscilloscope to a 2.6GHz spectrum analyzer
- Resolution Bandwidths to 3KHz and zero span
- LCD reads out Frequency and Amplitude
- Over 75dB of display range
- Internal Calibration Range
- On screen markers
- Ideal for testing AM, FM, CB, Cellular, Marine, Aircraft and Cable TV equipment



SPECIFICATIONS

[7700]

Frequency

Range: 10MHz to 1GHz, usable from 150kHz to 1.15GHz Resolution: 1kHz center frequency

Stability: ± 10PPM

Spans: Zero span, 2kHz to 100MHz/Div in a 1-2-5 sequence Resolution Bandwidths: 3kHz, 30kHz, 220kHz, 4MHz

Resolution Bandwidth Accuracy: ±15%

Video Bandwidth: 1.6kHz typical (auto switched with RBW)

RF Sweep Rate: 20mS/Div

Level Measurement

Input Level Range: -100 dBm to +20dBm

Usable Display Range: 75dB

Display Level Flatness: ±1.5dB at less than 10MHz/Div. Display Range Linearity: ±1.5dB over 70dB Range (Resolution

Bandwidth dependant)

Reference Level Range: -30dBm to +20dBm

Reference Level Accuracy: ±1.5dB at 80MHz ±1.5dB over +20

to -30dBm setting

Phase Noise: -77dBc/Hz at 30kHz offset Average Noise: -140dBm/Hz (typical)

RF Input

Impedance: 50Ω

Maximum Overload: + 30 dBm for 1 minute max

DC Block: 50 Volts DC

General Specification

Power: 11 V DC to 16V DC @ less than 1A Power Consumption: Less than 1A

Connectors: RF Input: Type N; Video and trigger output: BNC

Size: 3.0" H x 8.5" W x 10.0" D

Supplied Accessories: Manual, 12V @ 1 amp AC/DC Adapter

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Range: 10MHz to 2.6 GHz Resolution: 1KHz center frequency

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Resolution Bandwidth: 3kHz, 30KHz, 220KHz, 4MHz Resolution Bandwidth Accuracy: ±15%

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Display Level Flatness: ±1.5dB at less than 10MHz /Div. Display Range Linearity: ±1.5 dB over 70 dB range

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Reference Level Range: -30dBm to +20dBm

Reference Level Accuracy: ±1.5dB at 80 MHz ±1.5dB over +20

to -30dBm setting

Phase Noise: -77dBc/ Hz at 30KHz offset Average Noise: -140dBm/ Hz (typical)

RF Input

Impedance: 50\O

Maximum Overload: +30dBm for 1 minute max.

DC Block: 50 Volts DC

General Specifications

Power: 11VDC to 16VDC @ less than 1A Power Consumption: Less than 1A

Connectors: RF input: Type N; Video and trigger output: BNC

Size: 3" H x 8.5" W x 10.0" D

Supplied Accessories: Manual, 12 @ 1 amp AC/DC adapter