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

7700

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

7800

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
Weight: < 5 lbs.
Supplied Accessories: Manual, 12V @ 1 amp AC/DC Adapter

[7800]

Frequency
Range: 10MHz to 2.6 GHz
Resolution: 1KHz center frequency
Stability: ±10ppm
Span: Zero span, 2kHz, to 100 MHz/ Div in a 1-2-5 sequence
Resolution Bandwidth: 3kHz, 30KHz, 220KHz, 4MHz
Resolution Bandwidth Accuracy: ±15%
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Phase Noise: -77dBc/ Hz at 30KHz offset
Average Noise: -140dBm/ Hz (typical)

RF Input
Impedance: 50Ω
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
Weight: < 5 lbs.
Supplied Accessories: Manual, 12 @ 1 amp AC/DC adapter

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