

LPT-2250 Portable Spectrum Analyzer

Part No. 01LPT2250

FEATURE HIGHLIGHTS:

- * Marker Peak-Signal Find
- * On Screen Markers with Signal Level Readout
- * Front Panel Setup Save and Recall
- * Accurate and stable in frequency/level Reading
- * Average and Hold Function
- * Digitally synthesized RF system
- * Frequency range of More than 1 GHz Input Levels - 100 dBm to +20 dBm
- * Easy to Use, Simply Keyboard
- * Friendly Windows Software
- * Overload Protection to 50VDC and +30 dBm in Any Settings
- * Stable, Accurate and Consistent
- * Measure Amplifiers, Filters and Antennas for Transmission Characteristics
- * Accurate Average Power Measurement
- * IF and RF System Testing
- * RF Amplifier Testing
- * CATV Testing and Troubleshooting

ADDITIONAL OPTIONS:

- * Return Loss Bridge for Reflection Measurements of Antennas, Amplifiers and other components
- * Tracking generator
- * Remote control
- * Power Meter and AM/FM Receiver

APPLICATIONS:

- * Pre- and Post-EMC Submittal Testing and Trouble Shooting
- * IF and RF Circuits and Systems (Oscillators, Amplifiers, Filters, Mixers)
- * Calibration and Verification Testing
- * Remote and Mobile Monitoring
- * Television
- * Consumer Wireless Remotes, Microphones, Monitors
- * Cellular and PCS Phones and Base Stations
- * Two-Way Radio, Trunked-Radio and Paging
- * Manufacturing
- * Field Service
- * 900 MHz ISM
- * Education
- * Automatic Keyless Entry Testing



Specifications

SPECIFICATIONS	DESCRIPTION
Frequency Range	10 MHz to 1 GHz, Usable from 150 KHz to 1.15 GHz
Frequency Resolution	1 kHz Center Frequency, 40 Hz Sweep Resolution
Frequency Stability	?10 ppm
Frequency Display	Zero to 1.15 GHz
Frequency Control	Digital Phase Lock
Frequency Spans	Zero span, 2kHz to 100 MHz / division in a 2-5-10 sequence

Resolution Bandwidths	3 kHz, 30kHz, 220 kHz, 4 MHz, ?15%
Video Bandwidth	1.6 kHz typical (auto switched with RBW)
Reference Level Range	-100 dBm to +20 dBm
Reference Level Accuracy	?0 dB at 80 MHz
Input Level Range	-100 dBm to +20 dBm
Input Level Overload	+30 dBm for 1 minute max, any scale, DC block to ?5 V
Input Connection	Female Type N Connector, 50 Ohm Nominal
Input Return Loss	Less than 16 dBRL (VSWR < 1.35)
Input Attenuation	50 dB to 0 dB in 10 dB Steps
Level Accuracy	?5 dB typical at 80 MHz, 0 dBm reference level
Level Linearity	?1.5 dB over 70 dB (RBW dependent)
Reference Level Flatness	?1.5 dB span less than 10 MHz/div, less than ?2.5 dB full span
Display Range	75 dB Typical
Noise Floor	-95 dBm at 30 KHz RBW, -100 dBm Typical
Phase Noise	-77 dBc / Hz at 30 KHz offset
Harmonic Spurious	Less than -40 dBc, RF input < selected reference level
Non-Harmonic Spurious	Less than -60 dBc, typical from reference level, average mode 5 MHz/div
Power Source	100 to 130 VDC, 210 to 240 VAC, Less than 100 VA
Dimensions(approx.)	12.5"(W) x 5.75"(H) x 17.0"(D)
Weight	18 lbs.