Bird® PC SignalHawk™ Spectrum Analyzer

Model SH-36S-PC: 100kHz to 3.6 GHz

Transform your laptop into a spectrum analyzer! The PC SignalHawk is a lightweight, modular spectrum analyzer that communicates via USB with a Windows application, moving the display and user interface to your laptop or PC.

High Performance in a PC Module Spectrum Analyzer:

- Fast, Accurate, and Sensitive: -135 dBm Noise Floor.
- Same "Spectrum Analyzer" functionality as our hand held and rack mount units but in a convenient model.
- Built in FCC Compliance Masks.
- Waterfall display.
- Sophisticated Spectrum Analysis software package included with the product.
- Ideal solution for field techs who already carry a laptop with them as standard equipment.

PROBLEM	SOLUTION
Need to verify FCC compliance	View emissions mask from your desk
Overloaded with equipment	Module streamlined to minimize package size
Tight budgets	Buy only what you need with this dedicated Spectrum Analyzer module

SYSTEM REQUIREMENTS

PC with Windows XP Sp2, XP pro
256 MB Ram & Pentium III or equivalent processor
(512 MB RAM & Pentium 4/M or higher recommended)
800 x 600, 256 color display (1280 x 720, 16 bit or higher resolution recommended)
100 MB free disk space
1 available USB port
Mouse or pointing device
CD-ROM Drive (for installation)
Adobe Acrobat Reader (for Quick Start manual)

SPECIFICATIONS

Frequency Range	100 kHz to 3.6 GHz
Frequency Resolution	1 Hz
Frequency Uncertainty	± 1 ppm
Reference Aging	± 1 ppm / year
Temperature Drift	± 1 ppm / °C
Spectral Purity	-85 dBc @ 30 kHz
Sweep Time	2 s, full span; 1 ms, zero span
Resolution Bandwidth	100 Hz to 1 MHz RBW
Video Bandwidth	10 Hz to 300 kHz VBW
Amplitude Accuracy	± 1.0 dB typ, ± 1.5 dB max
Dynamic Range	66 dB, intermod-free
Noise Floor	-135 dBm DANL
Attenuator	0, 10, 20, or 30 dB; internal
Pre-Amplifier	+24 dB gain, internal
Data Points	705 displayed (settable)
Single Button Measurement	Occ BW, Channel Power, ACPR, Field Strength, AM/FM Demod, C/I
Transit Drop Test	10 drops per MIL-PRF-28800F
CE Compliant	YES
RF Input, N(F)	+20 dBm (100 mW) max
Connectivity	USB 1.1, TYPE B
Operating & Store Temp	-10° to 50°C oper; -20° to +80°C st
Humidity & Altitude	95% humidity; 4600 m altitude
Size and Weight	7.5" x 7.0" x 3.0", 4.5 lbs
Emissions Mask	IBOC, Analog FM, DTV and many others

STANDARD ACCESSORIES

920-SHPC-OPS	Operators Manual
920-SHPC-REF	Quick Start Card
5A2653-10	USB Cable, 10 ft, USB 2.0 certified, USB A male to USB B male
5A2436	AC Power Supply
5A2238-2	Car Adapter
5B2431	Internal Li-Ion Battery, Field Replacement
7002A148	PC Hawk Emulator Software CD's

Note: Spares of all standard accessories are also available as optional accessories

OPTIONAL ACCESSORIES

7002A224-1	Hard Carry Case
ANT-100	Antenna, 136 to 221
ANT-400	Antenna, 400 to 512
ANT-800	Antenna, 824 to 894
ANT-900	Antenna, 890 to 960
ANT-1800	Antenna, 1710 to 1880
ANT-1900	Antenna, 1850 to 1990
ANT-2400	Antenna, 2400 to 2500
100-SA-MFN-40	Attenuator, 100W, 40 dB, NM/NF, 2.4 GHz
50-A-MFN-30	Attenuator, 50W, 30 dB, NM/NF, 4 GHz
25-A-MFN-30	Attenuator, 25W, 30 dB, NM/NF, 4 GHz
10-A-MFN-30	Attenuator, 10W, 30 dB, NM/NF, 4 GHz
5-A-MFN-20	Attenuator, 5W, 20 dB, NM/NF, 4 GHz
2-A-MFN-20	Attenuator, 2W, 20 dB, NM/NF, 4 GHz
TC-MNFN-1.5	Test Cable, Phase Stable, 1.5 m, N(M) to N(F)
TC-MNFN-3.0	Test Cable, Phase Stable, 3.0 m, N(M) to N(F)
TC-MNMN-1.5	Test Cable, Phase Stable, 1.5 m, N(M) to N(M)
TC-MNMN-3.0	Test Cable, Phase Stable, 3.0 m, N(M) to N(M)
TC-MNFE-1.5	Test Cable, Phase Stable, 1.5 m, N(M) to 7/16 DIN(F)
TC-MNFE-3.0	Test Cable, Phase Stable, 3.0 m, N(M) to 7/16 DIN(F)
TC-MNME-1.5	Test Cable, Phase Stable, 1.5 m, N(M) to 7/16 DIN(M)
TC-MNME-3.0	Test Cable, Phase Stable, 3.0 m, N(M) to 7/16 DIN(M)
PA-MNME	Adapter, N(M) to 7/16 DIN(M)
PA-FNME	Adapter, N(F) to 7/16 DIN(M)
PA-MNFE	Adapter, N(M) to 7/16 DIN(F)
PA-FNFE	Adapter, N(F) to 7/16 DIN(F)
4240-550	Adapter Kit, 7/16 DIN
4240-500-1	Adapter, N(F) to N(F)
4240-500-6	Adapter, N(M) to N(M)
4240-500-10	Adapter, N(M) to SMA(F)*

Note: Recommend N(M) to SMA(F) Adapter Model 4240-500-10 for Antennas