



Bird Technologies®

PC SignalHawk™

SH-36S-PC

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.

PROBLEMS ▶ SOLUTIONS

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).

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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-MNMF-1.5	Test Cable, Phase Stable, 1.5 m, N(M) to N(M)
TC-MNMF-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



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