



Rack-Mount SignalHawk™

SH-36S-RM, SH-36S-RM-ASL



Over an Ethernet network, you can remotely analyze the performance of your system and diagnose problems from any computer on your network, whether in the same room or half way across the state.

High Performance in a Rack-Mount Spectrum Analyzer:

- ▶ Fast, Accurate, and Sensitive: 66 dB Dynamic Range and -135 dBm Noise Floor.
- ▶ Same "Spectrum Analyzer" functionality as our hand held unit all from your office PC.
- ▶ Multiple sites can be monitored from one centralized location.
- ▶ Along with our BPME you can view your RF Spectrum and be alerted of any RF Power alarm - A TOTAL 1-STOP PACKAGE.
- ▶ Minimal Rack Space Required: Only 2 RU.
- ▶ Eliminates trips to difficult remote locations.
- ▶ Built in FCC Compliance Masks.
- ▶ Waterfall display.

PROBLEMS ▶ SOLUTIONS

Alarm at remote site

- ▶ Diagnose Issue over your ethernet connection.

Need to verify FCC compliance

- ▶ View emissions mask from your desk.

Minimal space required

- ▶ 2RU form factor.



ADVANCED SPECTRUM LOGGING (ASL) SOFTWARE FOR THE RACKMOUNT SIGNALHAWK.

Continuously record the spectrum analyzer traces for just your frequencies or any portion of the spectrum from 100 KHz to 3.6 GHz. Playback recorded traces at your convenience to analyze interference or other RF events that occur when no one is watching. Identify the type and strength of interfering signals and significantly reduce the time it takes to resolve many RF related problems.

KEY FEATURES:

- ▶ Logs Spectrum Traces for days or weeks.
- ▶ Review recorded traces using typical spectrum analyzer functions.
- ▶ Programmable to your frequency band of interest.
- ▶ Configurable set up for an automated test plan to record frequencies of interest.
- ▶ Remote accessibility via IP Enabled Ethernet.

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SH-36S-RM

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
CE Compliant	YES
RF Input, N(F)	+20 dBm (100 mW) max
Connectivity	Ethernet and USB 1.1
Operating & Store Temp	0° to 50°C oper; -20° to +80°C st
Humidity & Altitude	95% humidity; 4600 m altitude
Size and Weight	19" x 10" x 3.5", 10 lbs
Emissions Mask	IBOC, Analog FM, DTV and many others
Internal Storage	140 Gb

STANDARD ACCESSORIES

920-SHPC-OPS	Operators Manual
920-SHPC-REF	Start-Up Instructions
4421-055	AC Power Cord
5A2744-07	Ethernet Cable
5A2653-10	USB Cable, 10 ft, USB A (M) to USB B (M)
7002A148	CD, PC SignalHawk Emulator

OPTIONAL ACCESSORIES

100-SA-MFN-40	Attenuator, 100W, 40 dB, N(M) to N(F), 2.4 GHz
50-A-MFN-30	Attenuator, 50W, 30 dB, N(M) to N(F), 4 GHz
25-A-MFN-30	Attenuator, 25W, 30 dB, N(M) to N(F), 4 GHz
10-A-MFN-30	Attenuator, 10W, 30 dB, N(M) to N(F), 4 GHz
5-A-MFN-20	Attenuator, 5W, 20 dB, N(M) to N(F), 4 GHz
2-A-MFN-20	Attenuator, 2W, 20 dB, N(M) to N(F), 4 GHz
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 Kit, N(F) to N(F)
4240-500-6	Adapter, N(F) to N(F)
4240-500-10	Adapter, N(M) to SMA(F)

Spare standard accessories are available as optional accessories.
Manuals and software/firmware updates available at
www.bird-technologies.com



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