



# SIGNALHAWK™ SPECTRUM ANALYZER

MODEL SH-36S: 100 KHZ TO 3.6 GHZ

## High Performance in a Hand-Held Spectrum Analyzer:

- Fast, Accurate, and Sensitive: -135 dBm Noise Floor
- Large High-Resolution Display: Full Color, Indoor/Outdoor Viewable
- Easy-to-Use: Intuitive Menus, One-Button Setup, and On-Board Help
- Long Battery Life: 5.5 Hours per Charge, Field Replaceable Battery
- Rugged: Drop Tested per Military and European Standards
- USB Connectivity: USB Drive Stores 90,000 Traces

**Worldwide Applications:** Cellular, PCS, DCS, 2 G, 3 G, CDMA, cdmaOne, CDMA 2000, 1x, 1x EV-DO, GSM, GPRS, EDGE, UMTS, HSDPA, W-CDMA, TDMA, AMPS as well as 802.11, Bluetooth, Broadcast, Emergency, Fire, GPS, HDTV, IBOC, Microwave, NPSPAC, Paging, Police, Private, Project 25, Public Safety, Tactical Military, Telematics, Tetra, Trunking, Utilities, WLAN and WLL.

**Spectrum Analysis:** Analyzes radio frequency spectrum. Measures intended and interfering signals. Allows setup of parameters such as frequency, amplitude, and markers. Graphically displays signal amplitude vs. frequency and saves traces.



## Performance 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

Display	8.4", SVGA, 800 x 600 pixels
Data Points	705 displayed
Single Button Measurement	OBW, Channel Power, ACPR, Field STR., AM/FM Demod, C/I
Power Meter	External Sensors, Optional
Win CE Viewers	Word, Excel, PPT, PDF, Image
Battery	5.5 hour, field replaceable
Drop Test	1 meter per EN 61010-1
Transit Drop Test	10 drops per MIL-PRF-28800F
CE Compliant	YES
RF Input, N(F)	+20 dBm (100 mW) max
USB Connectivity	PC; USB drive and accessories
Size	11.5" x 10.5" x 3.8"
Weight	7.8 lbs (3.5 kg) with battery



**Power Meter Option:** SignalHawk™ is compatible with Models 5012, 5010B, 5011 and 5011-EF external power sensors. These sensors provide ± 5% (± 0.2 dB) forward average power accuracy. Other measurements include reflected power, VSWR, return loss (dB), peak power, burst average power, crest factor, and CCDF.



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