

Hand-Held Spectrum Analyzer

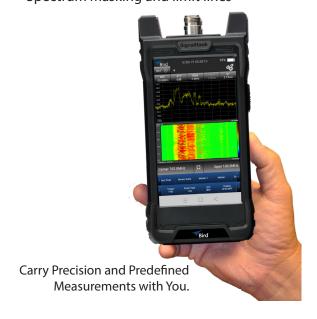
SignalHawk™ SH-60S-TC

The **SignalHawk™ SH-60S-TC** is the latest offering in a line of next generation of handheld RF spectrum analyzers, combining best in class functionality in a compact, affordable package. Highly portable, the SH-60S-TC easily fits in one hand and boasts an intuitive touchscreen user interface. The SH-60S-TC operates between 9 KHz and 6 GHz.

Leveraging multi-touch technology, users will find a high-resolution touchscreen with familiar, easy to use, methods for setting up and use the RF spectrum analyzer. Field engineers, technicians, wireless equipment manufacturers, service providers, contractors, tower erectors and military personnel alike have come to trust the precision results and efficiency of SignalHawk™.

Predefined Measurements Include:

- Channel Power
- Adjacent Channel Power Ratio (ACPR)
- Phase Noise
- · N dB Down bandwidth
- Occupied Bandwidth (OBW)
- Field Strength
- · FM demodulation
- CNR Loss (GNSS signal quality)
- Spectrum Masking and limit lines





RF Spectrum Analysis at Your Fingertips!

- Affordably priced; allowing every team member to have one.
- Easy-to-use, intuitive menus to simplify operation for occasional or seasoned users.
- More than 2x faster sweep times than the competition.
- High-resolution, full-color display for indoor or outdoor viewing.
- Two level internal preamplifier.
- View the spectrum with trace display, spectrogram display, or both.
- Includes the Bird RF Meter App that allows interoperability with a wide range of Bird Field sensors.
- Touchscreen display with multi-touch operation.
- Lightest, all-in-one analyzer at only 1.98 lb (0.9 kg).
- Battery offering 5 hours of continuous operation.

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SignalHawk™ SH-60S-TC

SPECIFICATION

Frequency Range	9 kHz to 6 GHz
Frequency Span Accuracy	±1%
Aging	±1 ppm
Sweep Time	1.1 ms to 1600 s Full Span 2.69 ms to 1600 s Settable Zero Span
Resolution Bandwidth	10 Hz to 5 MHz in 1, 2, 3, 5, 10 Steps
RBW Accuracy	≥1 MHz, ±10% <1 MHz, ±2%
Second harmonic distortion	1.6 GHz -70 dBc
Third-Order Intercept (TOI)	+15 dBm (–10 dBm tones , 1 MHz apart, Preamp Off, Reference Level –10 dBm)
P1dB	+5 dBm Nominal
Phase Noise (1GHz)	-95 dBc/Hz,@10 kHz (typical -97 dBc/Hz) -115 dBc/Hz,@1 MHz (typical -116 dBc/Hz)
Compatible With	For a complete list of compatible sensors see Bird's Rf Meter Page http://bit.ly/rfmeterapp2
Measurement Range	DANL to +20 dBm
Input Attenuator Range	0 to 30 dB, 1 dB step
Max Safe Input Level Preamp Off Preamp +20 dB Preamp +40 dB	+30 dBm 0 dBm -20 dBm
Reference Level Range	-140 dBm to +20 dBm -190 dBm to +70 dBm (Ref Level Offset: ON)
Amplitude Accuracy	±1.5 dB (ATT set to 0 dB, input signal -5 to -30 dBm, Detector set to Positive, Sensitivity set to Low, RBW auto-coupled, all other settings auto-coupled, 23±5 °C. Half hour warm-up required.)
RBW Switching Uncertainty	±0.3 dB
Input Attenuator Uncertainty	±0.6 dB
Reference Level Accuracy	≥ -60 dBm, ±0.8 dB

Preamp Off Preamp +20 dB Preamp +40 dB	1 GHz, -129 dBm/Hz (typical -132 dBm/Hz) 1 GHz, -149 dBm/Hz (typical -152 dBm/Hz) 1 GHz, -168 dBm/Hz (typical -169 dBm/Hz) (Input terminated, Detector set to Positive, Trace Average set to 1000, Span set to 50 kHz, Reference level of -100 dBm, all other settings auto-coupled, 23±5 °C normalized to 1 Hz RBW)
Residual Responses	-75 dBm
Connectors RF In USB Power Interface	N (f) USB type C DC12V
Display	5.5 inch, 1280 *720p
OS	Android
Languages	English, Chinese
Battery Type	Li-ion
Battery Operating Time	5 hours typical
Battery Charge Time	6 hours typical
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 70°C
Size	7.8 x 3.7x 2.4 inches (197 x 93 x 61 mm)
Weight	1.98 lb (0.9 kg)

STANDARD ACCESSORIES

Display Average Noise

Level (DANL)

SK-TP-112	Stylus
SK05T-1200300Z	AC Adapter (12 Vdc Ouput)
7002A218-2	Hard Carrying Case
920-SH-60S	Instruction Manual (SH-60S-TC)
7002A219-1	Soft Carrying Case
5A2745-1	USB Drive
SK-CONN-OTG-2	USB Adapter
SK-BTY-7468	Battery









