

SITEHAWK™

Cable & Antenna Analyzers

**SK-4500-TC, SK-6000-TC,
SK-9000-TC**

No More Swapnostics!

Get the most out of your communication networks with SiteHawk. Our powerful device offers critical coverage and a wide frequency range from 1 MHz to 9000 MHz, ensuring you have the ability to find any discrepancies in your cables and connectors.

With Bird's DTF (Distance to Fault) mode, SiteHawk can identify the exact location of any fault quickly and accurately, saving time and money! Take control of your networks today with SiteHawk.

With the new addition of increased coverage to 9GHz, SiteHawk is now capable of monitoring the C-Band (4 - 8GHz) satellite communications and some X-Band radar frequency sub-bands. This versatile product will benefit government, military, and public sector users. Get the coverage you need with SiteHawk.



PRODUCT FEATURES

- Test RF cables and antennas at the frequency of operation.
- Locate RF cable, connector and antenna problems at the source.
- FDR (Frequency Domain Reflectometry) measurement method results in a highly reliable assessment of the health of critical components in your system; ultimately providing a "heads-up" before a failure occurs.
- Fault location or DTF mode plots VSWR or Return Loss levels at each distance point along the cable and antenna system length.
- Cable Loss function measures insertion loss of the cable system over a given frequency range.
- OTG USB communication port for connection to Bird power sensors, storage devices and battery charging.

APPLICATIONS

- Cellular Networks 3G, 5G (2.4, 4.2 GHz & 600, 850 MHz), PCS/DCS, CDMA, GSM and LTE Protocols, Broadcast, Paging, Government, Tactical Military, Microwave, Public Safety, Trunking, TETRA, Network Coverage WLAN, WLL (802.11), Semiconductor calibration load/ RF cable test

COMPATIBLE WITH

- Basic, Wideband and Statistical Power Sensors
- Bird RF Meter App

SK-4500-TC, SK-6000-TC, SK-9000-TC Specifications

MEASUREMENT

Frequency Range	
SK-4500-TC	1 MHz to 4500 MHz
SK-6000-TC	1 MHz to 6000 MHz
SK-9000-TC	1 MHz to 9000 MHz
Frequency Resolution	1 kHz
Output Power	-10 dBm, typical
Trace Noise Magnitude (IFBW 1kHz)	0.05 dB rms
Measurement Speed	1 ms/data point
Measurement Points	51 to 3201
Measure Bandwidth	100 Hz to 30 kHz
Temperature Stability	0.01 dB/°F (0.02 dB/°C)
Return Loss Measurement Range	0 dB to -60 dB
Resolution	0.01 dB
VSWR Measurement Range	1.0 to 65.0
Cable Loss Measurement Range	0 dB to 30 dB
DTF Range	0 to 5000 ft (0 to 1500 m)
Corrected Directivity	> 38 dB
Maximum Input Voltage	50 V
Immunity to Interfering Signals	+13 dBm
Power Measurement	Yes

ACCURACY

Frequency Accuracy	±2.5 ppm @25 °C
Reflect Amplitude Accuracy	
SK-4500-TC, SK-6000-TC	-10 dB to 0 dB: ±0.6 dB -20 dB to -10 dB: ±0.8 dB -35 dB to -20 dB: ±3.0 dB
Reflect Amplitude Accuracy	
SK-9000-TC	-10 dB to 0 dB: ±0.6 dB -25 dB to -10 dB: ±1.5 dB -35 dB to -25 dB: ±4.0 dB

CONNECTORS

Connector	USB Type-C, USB 3.0
Test Port Connector Impedance	N-type, Female 50 ohms

ENVIRONMENTAL

Operating Temperature	14 °F to 131 °F (-10 °C to +55 °C)
Storage Temperature	-40 °F to 176 °F (-40 °C to +80 °C)
Battery Charging Temperature	32 °F to 95 °F (0 °C to +35 °C)

birdrf.com/products

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SYSTEM

Display	5.5 in, 720p
Languages	English, Chinese, Spanish
Battery Type	Lithium-ion rechargeable
Battery Operating Time	10 hours typical
Battery Charge Time	5 hours typical
Storage Capacity	Thousands of trace and setups
Recommended Calibration Interval	3 years
Compatible With	For a complete list of compatible sensors see Bird's RF Meter page http://bit.ly/rfmetrapp2

PHYSICAL

Size	7.7 in x 3.6 in x 2.4 in (195 mm x 90 mm x 60 mm)
Weight	1.98 lb (0.9 kg)

CERTIFICATIONS

CE	EMC: Standard EN 61326-1:2006 Safety: Standard EN 61010-1:2001
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STANDARD ACCESSORIES

Calibration Combo	
SK-4500-TC, SK-6000-TC	SK-CAL-MN-C6
SK-9000-TC	SK-CAL-MN-C9
Stylus	SK-TP-112
AC Adapter (12Vdc Output)	SK05T-1200300Z
Hard Carrying Case	7002A218-2
Soft Carrying Case	7002A219-1
RF Cable, 1.0 meter long	SK-TC-MNFN-1M
USB Drive	5A2745-1
USB Adapter	SK-CONN-OTG-2
Manual (SK-4500-TC)	920-SK-4500
Manual (SK-6000-TC)	920-SK-6000
Manual (SK-9000-TC)	920-SK-9000
Battery	SK-BTY-7468

OPTIONAL ACCESSORIES

Adapter - N(m) to 7-16 DIN(f)	PA-MNFE
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