

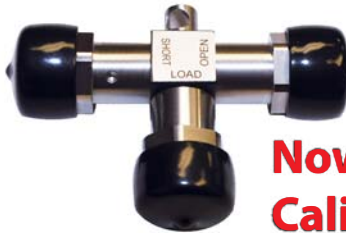
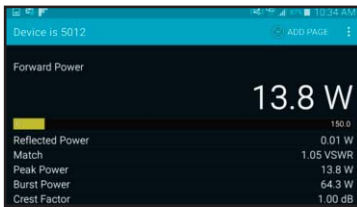


Bird Technologies®

# SiteHawk Analyzer

## SK-4000-TC, SK-200-TC

- ▶ Easy to operate and field ready for first-time, occasional and experienced users.
- ▶ 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 indicates VSWR or Return Loss levels at each point along the cable and antenna system length.
- ▶ Cable Loss function measures insertion loss of the cable system over a given frequency range.
- ▶ Units cover frequency ranges of 85-4000 MHz and 300 kHz-200 MHz.
- ▶ USB communication port for connection to storage device and battery charging.
- ▶ Three Year Warranty!!
- ▶ Includes Bird RF Meter App.:



**Now includes Calibration Combo!**

### MEASUREMENT CAPABILITY

- Fast swept measurement.
- Seven user-selectable trace capture options: 51,101,201,401,801,1601 or 3201 data points per sweep.
- Adjustable pass/fail limit with visual indicator.
- 16GB of internal flash memory for storing thousands of traces and setups.
- X and Y scales and units are user adjustable.
- Six markers for either direct or difference measurements.
- Can also measure relative to limit line or recalled trace.
- Measurement hold to temporarily store a trace.
- Frequency can be set using either Start/Stop or Center/Span frequencies.
- Measurement can be Return Loss [dB], Cable Loss [dB], VSWR [ratio], DTF VSWR [ratio] or DTF Return Loss [dB].
- Measurement units can be Return Loss [dB] or VSWR [ratio].

### APPLICATIONS

Worldwide Cellular, PCS/DCS, CDMA, GSM, LTE Protocols, 3G, Broadcast, Government, Tactical Military, Microwave, Paging, Public Safety, Trunking, WLAN, TETRA, WLL.



# SiteHawk Analyzer

## SK-4000-TC, SK-200-TC

### SPECIFICATIONS

<b>Frequency Range</b>	
<b>SK-4000-TC</b>	85 MHz - 4000 MHz
<b>SK-200-TC</b>	300 kHz - 200 MHz
<b>Frequency Accuracy</b>	$\pm 2.5 \times 10^{-6}$
<b>Frequency Resolution</b>	1 kHz
<b>Output Power</b>	
<b>SK-4000-TC</b>	-10dBm
<b>SK-200-TC</b>	-5dBm
<b>Reflect Amplitude Accuracy</b>	
<b>-15 dB to 0 dB</b>	0.4 dB
<b>-25 dB to -15 dB</b>	1.5 dB
<b>-35 dB to -25 dB</b>	4.0 dB
<b>Trace Noise Magnitude (IFBW 1kHz)</b>	0.02 dB rms
<b>Measurement Speed</b>	0.25 ms / data point
<b>Measurement Points</b>	51 to 3201
<b>Measure Bandwidth</b>	100 Hz to 30kHz
<b>Temperature Stability</b>	0.01 dB/°F 0.02 dB/°C
<b>Return Loss Measurement Range</b>	0 dB to -60 dB
<b>Resolution</b>	0.01 dB
<b>VSWR Measurement Range</b>	1.0 to 65.0
<b>Cable Loss Measurement Range</b>	0 dB to 30 dB
<b>DTF Range</b>	0 to 5000 (ft) 0 to 1500 (m)
<b>Test Port Connector Impedance</b>	N-type, Female 50 ohms
<b>Connector</b>	Micro USB B, USB 2.0
<b>Languages</b>	English, Chinese, Spanish
<b>Recommended Calibration Interval</b>	3 year

<b>Dimensions (LxWxH)</b>	7.2x3.8x1.9 (in) 182x95x46.5 (mm)
<b>Weight</b>	1.98 (lbs) 0.9 (kg)
<b>Maximum Input Voltage</b>	50V
<b>Operates In Temperature</b>	14°F to 131°F -10°C to +55°C
<b>Storage Temperature</b>	-40°F to 176°F -40°C to +80°C
<b>Battery Charging Temperature</b>	32°F to 95°F 0°C to +35°C
<b>Altitude</b>	Up to 15000 (ft) Up to 4600 (m)
<b>Humidity</b>	95±5° max (non-condensing)
<b>Storage Capacity</b>	Thousands of Traces and Setups
<b>Immunity to Interfering Signals</b>	+13dBm
<b>CE</b>	EMC – Standard EN 61326-1 :2006 Safety – Standard EN 61010-1 :2001 RoHS – Directive 2011/65/EU
<b>Battery</b>	Lithium-ion rechargeable 4 Hrs Typical Operating Time
<b>Battery Charge Time</b>	5 Hrs for Full Charge
<b>Power Measurement</b>	Yes
<b>Compatible With</b>	7020, 5012D, 5014B, 5015, 5015-EF, 5016D, 5017D, 5018D, 5019D

### STANDARD ACCESSORIES PROVIDED

<b>SK-CAL-MN-C</b>	Calibration Combo
<b>SK-TP-112</b>	Stylus
<b>5B2229-510H-3</b>	AC Adapter (5 Vdc Output)
<b>7002A218-1</b>	Hard Carrying Case
<b>5A2653-3R5NL4</b>	USB Interface Cable, Power, 1 meter long
<b>SK-TC-MNFN-1M</b>	RF Cable, 1.0 meter long
<b>920-SK-4000</b>	Instruction Manual
<b>7002A219-1</b>	Soft Carrying Case
<b>5A2745-1</b>	USB Drive
<b>5A2653-0R5NL5</b>	USB Interface Cable, 15 cm long
<b>BIRD-BTY-TMI3C</b>	Battery

### OPTIONAL ACCESSORIES

<b>PA-MNFE</b>	Adapter, N(m) to 7-16 DIN(f)
<b>5A5002-6</b>	International Adapter



30303 Aurora Rd. | Solon, OH 44139 | 866.695.4569 | www.birdrf.com

