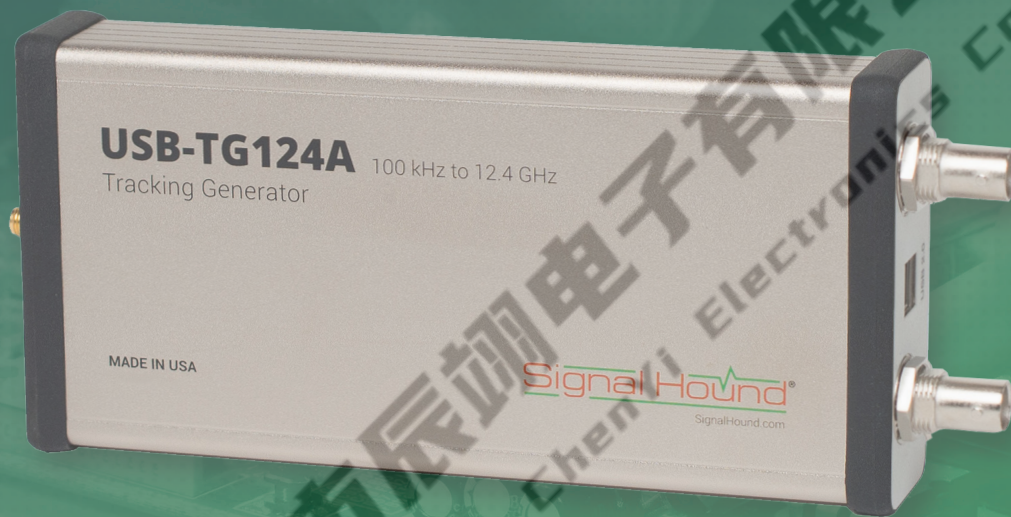




# USB-TG124A Tracking Generator

100 kHz to 12.4 GHz



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Adds versatile scalar network analysis capability to your USB-SA124B Spectrum Analyzer.

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Use as a CW Signal Generator for tasks that will tolerate harmonics of typically  $< -10\text{dBc}$ .

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Perform complex automated tasks using the API.

## USB-TG124A Tracking Generator

6 March 2015

### FREQUENCY

- Frequency range: 100 kHz to 12.4 GHz
- Frequency Accuracy:  $\pm 1$  ppm
- Frequency steps: 19 selectable step sizes from 10 Hz to 10 MHz (100 kHz to 4 GHz range) and 16 selectable step sizes from 100 Hz to 10 MHz (4 GHz to 12.4 GHz range)

### AMPLITUDE

- Amplitude range: -30 dBm to -12 dBm
- Absolute Amplitude accuracy  $\pm 2.0$  dB
- Amplitude steps: 1 dB

### HARMONICS

- Typically  $< -10$  dBc

### CALIBRATION INTERVAL

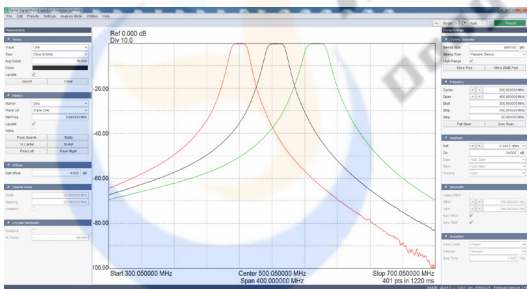
1-year

### OPERATING TEMPERATURE

- 20° C to 25° C to achieve published specifications
- 0° C to 70° C operating range with derated amplitude specs

### SYSTEM REQUIREMENTS

The USB-TG124A is packaged with application software that is used on a PC running Windows® 7, 8, or 10 operating systems. You must have at least 1GB of free disc space, 1GB of RAM, one USB 2.0 port, and a 2 GHz dual-core processor.



### SOFTWARE DETAILS

Use Signal Hound's Spike™ software, in combination with the TG124A Tracking Generator and SA124B spectrum analyzer, as a completely integrated system. Spike™ provides a virtual control panel on the user's PC for sending commands to the SA124B and TG124A over the USB. Spike™ also directs signal data processing over the USB and into the user's PC, for display and/or screen capture.



The Signal Hound TG124A is a USB-powered, 100 KHz to 12.4 GHz, economy tracking generator and CW signal generator. The TG124A turns your SA124B, SA44B, or BB60C spectrum analyzer into a versatile scalar network analyzer. The combination can measure gain, frequency response, compression, flatness, and insertion loss on components and subsystems.

Signal Hound's new Spike® software is now included, which integrates the SA-series and BB-series spectrum analyzers with the TG-series tracking generators, past and present, under the same Graphical User Interface (GUI) as the Signal Hound BB60C spectrum analyzer.

High dynamic range measurements are user friendly and efficient. Save up to a 1000-point data file and then load it in the path loss table for normalization of precision RF cable and/or antenna measurements.

As an economy CW signal generator, the TG124A is adequate for tasks that will tolerate harmonics that are typically  $\leq -10$  dBc.

The TG124A is powered from the USB cable, which also eliminates the need for a separate power supply. Measuring less than 8 inches long and weighing only 10 ounces, the TG124A can be used virtually anywhere!