

# RF ANALYSIS

From The Palm Of Your Hand



Spectrum Analyzers

10 MHz - 87 GHz

Signal Generators

5.925 GHz - 40 GHz



- ✓ Lightweight, handheld, swept-tuned spectrum analyzer
- ✓ API and PC software with reporting included
- ✓ Compatible with different antenna systems

## DESIGNED TO OPERATE OUTDOORS:

- ✓ Essential tool for interference detection, site survey and path alignment
- ✓ IP54 rated and tested
- ✓ Stand-alone tool with great battery life
- ✓ Resistive LCD touchscreen allows working with gloves on
- ✓ Instant On/Off functionality with simple, intuitive controls
- ✓ Market leading receiver sensitivity



Frequency Range	0.01 – 3.0 GHz	2.0 – 8.0 GHz	5.925 – 20.0 GHz	16.0 – 26.5 GHz	24.0 – 43.0 GHz	56.0 – 71.0 GHz	70.0 – 87.0 GHz
Displayed average noise level	<-125 dBm @ RBW=10 kHz**	<-118 dBm @ RBW=30 kHz	<-116 dBm @ RBW=30 kHz	<-106 dBm @ RBW=100 kHz	<-101 dBm @ RBW=100kHz	-90 dBm @ RBW=10 MHz***	-90 dBm @ RBW=10 MHz
Max input power	+25 dBm	+25 dBm	+25 dBm	+25 dBm	0 dBm	0 dBm	0 dBm
RBW	10, 30, 100, 300 kHz	30, 100, 300, 1000 kHz	30, 100, 300, 1000 kHz	100, 300, 1000 kHz	100, 300, 1000 kHz	10 MHz	10 MHz
VBW	1, 3, 10, 30 kHz	1, 3, 10, 30, 100 kHz	1, 3, 10, 30, 100 kHz	1, 3, 10, 30, 100 kHz	1, 3, 10, 30, 100 kHz	300 kHz	300 kHz
Min. Span	0.5 MHz	1.5 MHz	1.5 MHz	5 MHz	5 MHz	1 GHz	1 GHz
Max. Span	full bandwidth	full bandwidth	full bandwidth	full bandwidth	full bandwidth	full bandwidth	full bandwidth
Sweep speed	130 ms @ 15 MHz Span	72 ms @ 50 MHz Span	75 ms @ 50 MHz Span	70 ms @ 50 MHz Span	66 ms @ 100 MHz Span	0.5 s @ 1 GHz Span	0.5 s @ 1 GHz Span
Accuracy	+/- 1 dB	+/- 1 dB	+/- 1 dB	+/- 1 dB	+/- 1 dB	+/- 1 dB	+/- 1 dB
Input	50 ohm SMA (f)	50 ohm SMA (f)	50 ohm 2.92 mm (f)	50 ohm 2.92 mm (f)	50 ohm 2.92 mm (f)	WR 15	WR 12
Interface	USB Type-C	USB Type-C	USB Type-C	USB Type-C	USB Type-C	micro USB 2.0 (1.1)	micro USB 2.0 (1.1)
Battery life	up to 4 h	up to 4 h	up to 4 h	up to 4 h	up to 3 h	up to 3 h	up to 3 h
Operating temperature	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F
Dimensions	135 x 83 x 34 mm 5.31 x 3.27 x 1.34 in	135 x 83 x 34 mm 5.31 x 3.27 x 1.34 in	135 x 83 x 34 mm 5.31 x 3.27 x 1.34 in	135 x 83 x 34 mm 5.31 x 3.27 x 1.34 in	135 x 83 x 34 mm 5.31 x 3.27 x 1.34 in	147 x 83 x 34 mm 5.79 x 3.27 x 1.34 in	147 x 83 x 34 mm 5.79 x 3.27 x 1.34 in
Weight	0.57 kg / 20.11 oz	0.57 kg / 20.11 oz	0.57 kg / 20.11 oz	0.57 kg / 20.11 oz	0.57 kg / 20.11 oz	0.57 kg / 20.11 oz	0.57 kg / 20.11 oz

\* Guaranteed at 21 °C / 70 °F CW signal \*\* Guaranteed Displayed Average Noise Level for 30-3000 MHz frequency range

\*\*\* Guaranteed displayed average noise level for 56.0 - 67.0 GHz frequency range

### Available accessories:



0.17 m 38 dBi V-band and E-band parabolic antenna with mast mount



Horn antenna with handle



Log-periodic antenna with handle



Antenna kit in a ruggedized transport case



0.17 m 38 dBi E-band parabolic antenna with tripod



Spectrum Compact kit with ruggedized WG to SMA adapters, RF cable, attenuators

## SPECTRUM ANALYZERS

Follow link or QR code and get instant access to the virtual demo:

[SPECTRUMCOMPACT.COM/EMULATOR](https://SPECTRUMCOMPACT.COM/EMULATOR)



# SPECTRUM CORE

Frequency range	0.01 – 3.0 GHz
Displayed average noise level	<-125 dBm @ RBW=10 kHz**
Max input power	+25 dBm
RBW	10, 30, 100, 300 kHz
VBW	1, 3, 10, 30 kHz
Min. Span	0.5 MHz
Max. Span	full bandwidth
Sweep speed	130 ms @ 15 MHz Span
Accuracy*	± 1 dB
Input	50 Ω, SMA (f)
Interfaces data + power	USB Type-C ; 5 VDC, 3A
Operating temperature	-33 °C to 55 °C -27 °F to 131 °F
Dimensions	135 x 84 x 25mm 5.32 x 3.31 x 1.1 in
Weight	0.40 kg / 14.11 oz
Ingress Protection	IP54



\* Guaranteed at 21 °C / 70 °F CW signal

\*\* Guaranteed Displayed Average Noise Level for 30-3000 MHz frequency range

# SIGNAL GENERATORS

Frequency range	5.925 – 12.0 GHz	10.0 – 18.0 GHz	17.0 – 24.3 GHz	24.0 – 40.0 GHz
Output power range	-3 dBm to +13 dBm	-3 dBm to +11 dBm	-3 dBm to +10 dBm	-3 dBm to +5dBm
Frequency accuracy	+/- 10 ppm	+/- 10 ppm	+/- 10 ppm	+/- 10 ppm
Frequency step**	1 MHz	1 MHz	1 MHz	1 MHz
Power step**	1 dBm	1 dBm	1 dBm	1 dBm
Signal form	Continuous wave	Continuous wave	Continuous wave	Continuous wave
Accuracy*	+/- 1 dBm	+/- 1 dBm	+/- 1 dBm	+/- 1 dBm
Output	50 ohm SMA (f)	50 ohm SMA (f)	50 ohm SMA (f)	50 ohm 2.92mm (f)
Interface	mini USB 2.0 (1.1)	mini USB 2.0 (1.1)	mini USB 2.0 (1.1)	mini USB 2.0 (1.1)
Battery life	up to 4 h	up to 4 h	up to 4 h	up to 3 h
Operating temperature	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F
Dimensions	128 x 81 x 24 mm 5.04 x 3.2 x 0.94 in	128 x 81 x 24 mm 5.04 x 3.2 x 0.94 in	128 x 81 x 24 mm 5.04 x 3.2 x 0.94 in	130 x 81 x 28 mm 5.11 x 3.2 x 1.1 in
Weight	0.3 kg / 10.6 oz	0.3 kg / 10.6 oz	0.3 kg / 10.6 oz	0.4 kg / 14.11 oz

\* Guaranteed throughout all the temperature range

\*\* Adjustable step values



For more detailed information visit [saftehnika.com](https://saftehnika.com)

or contact your SAF Tehnika representative [info@saftehnika.com](mailto:info@saftehnika.com)

Product features may vary between different models and configurations.

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