

Spectrum Compact Series

SPECTRUM ANALYZERS 0.3 - 87.0 GHz AND
SIGNAL GENERATORS 5.925 - 40.0 GHz



- Essential tool for interference detection, site survey, and path alignment
- Market leading receiver sensitivity
- Instant On/Off functionality with simple, intuitive controls
- Stand-alone tool, no external controller required
- Included PC software for post-measurement analysis and reporting
- Resistive LCD touchscreen allows working with gloves on
- World's smallest mmWave spectrum analyzer designed specifically for comfortable outdoor use in a variety of challenging environments

Spectrum Analyzers



Frequency range	0.3 - 3.0 GHz	2.0 - 8.0 GHz	5.925 - 20.0 GHz	17.0 - 24.3 GHz	24.0 - 43.0 GHz	56.0 – 71.0 GHz	70.0 - 87.0 GHz
Displayed Average Noise Level	-128 dBm @ RBW=10 kHz	-119 dBm @ RBW=30 kHz	-110 dBm @ RBW=30 kHz	-105 dBm @ RBW=1 MHz	-100 dBm @ RBW=100kHz	-90 dBm @ RBW=10 MHz**	-90 dBm @ RBW=10 MHz
Max input power	+27 dBm	+25 dBm	+27 dBm	0 dBm	0 dBm	0 dBm	0 dBm
RBW	10, 30, 100, 300 kHz	30, 100, 300, 1000 kHz	30, 100, 300, 1000 kHz	1 MHz	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	300 kHz	1, 3, 10, 30, 100 kHz	300 kHz	300 kHz
Min. Span	0.5 MHz	1.5 MHz	1.5 MHz	100 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	0.15 s @ 15 MHz Span	0.2 s @ 50 MHz Span	0.2 s @ 50 MHz Span	0.5 s @ Min. Span	0.2 s @ 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 SMA (f)	50 ohm SMA (f)	50 ohm 2.92 mm (f)	WR 15	WR 12
Interface	USB Type-C	USB Type-C	USB Type-C	mini USB 2.0 (1.1)	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	128 x 81 x 24 mm 5.04 x 3.2 x 0.94 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	0.3 kg / 10.6 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 56.0 - 67.0 GHz frequency range

Available Accessories



Attenuator kit, 60 dB



Waveguide adapters,
3 GHz - 40 GHz



40 GHz RF cable with
thumbscrews



20dBi mmWave antenna



Extension stick for near
side radio measurements



0.17m 38dBi antenna

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 +5 dBm
Frequency accuracy	+/- 10 ppm			+/- 10 ppm
Adjustable frequency step	1 MHz			1 MHz
Adjustable power step	1 dBm			1 dBm
Signal form	Continuous wave			Continuous wave
Accuracy*	+/- 1 dBm			+/- 1 dBm
Output	50 ohm SMA (f)			50 ohm 2.92mm (f)
Interface	mini USB 2.0 (1.1)			mini USB 2.0 (1.1)
Battery life	up to 4h			up to 3h
Operating temperature	-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			130 x 81 x 28 mm 5.11 x 3.2 x 1.1 in
Weight	0.3 kg / 10.6 oz			0.4 kg / 14.11 oz

* Guaranteed throughout all the temperature range



Antenna kit in a ruggedized transport case



Tripod for horn antenna
3 GHz – 43 GHz



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



For more detailed information about SAF Tehnika products visit www.saftehnika.com or contact your SAF Tehnika representative info@saftehnika.com
Product features may vary between different models and configurations. They are subject to change without prior notice.

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