



Measurements

- Channel Power (measures the total power in a specified bandwidth)
- Adjacent channel power
- Signal bandwidth
- Center frequency
- Interference detection
- Mask

Setup Parameters

- Frequency: Center/Start/Stop
- Trace mode: Normal, Max hold, Cumulative, # of Averages
- Span: Max Span, Min Span, Selected Span

Save

- Proprietary format
- Saves actual data
- Continuous sweep record

Sweep Functions

- Sweep: Continuous, Manual Trigger
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SPECTRUM COMPACT 70-87 GHz

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Trace Functions

- Trace operations: Normal, Max hold, # of Averages, Cumulative

Marker Functions

- Marker: Peak search, set marker to center

Settings

- Detector MIN, AVG, MAX
- Signal ID

Remote control

- Spectrum Manager PC software
- API commands

Frequency		
▪	Frequency Range	70 000 – 87 000 MHz
▪	Frequency Resolution	10 MHz
▪	Frequency Reference	Aging ±1.0 ppm/1 year Accuracy: ±2.5 ppm (25°C ±25°C) + aging
▪	Frequency span	1000 MHz to full
Bandwidth (Performance Sweep Mode)		
▪	RBW	10 MHz
▪	VBW	300 kHz;
Amplitude Ranges		
▪	Measurement Range	DANL to -30 dBm
Amplitude Accuracy (single sine wave input, Performance Sweep Mode)		
20° C to 30° C Typical: ±1 dB		
VSWR		
at 71 000 MHz < 3.0 typ.		
at 86 000 MHz < 1.4 typ.		
SSB Phase Noise on RF input		
	20°C to 30°C	
Carrier offset	100 kHz offset	<= -80 dBc/Hz
Maximum Input Level		
DC voltage	0 V	
CW RF power	-30 dBm (0.001 mW),	
Max. Damage level	0 dBm (1mW)	
Displayed Average Noise Level (DANL)		
AVG detector, trace average 16, 20°C to 30°C, input impedance = 50 Ω		
-90 dBm @ RWB = 10 MHz		

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Product features may vary between different models and configurations. They are subject to change without prior notice.



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Level Display	
Trace detectors	AVG; MAX; MIN
Trace functions	Clear write, max hold, average, cumulative, min/max hold
Frequency response	
300 – 3000 MHz; amplitude accuracy ± 1 dBm	
RF Input Connector	
Impedance	50 Ω (nom.)
Connector	Waveguide flange UG387/U
Sweep	
Sweep time	
MIN SPAN=1000 MHz	MIN SPAN = 500 ms
Display	
Type	TFT LCD resistive touchscreen
Resolution	480 x 272
Size	4.3 inch (Diagonal)
Active area	95 x 53.8 mm
Mass memory	
8 GB	
Input voltage	
USB micro: 5V DC 1.5A	
DC input: 5.9V DC 3A	
Interface USB micro	
Battery life up to 3h	
Operating temperature -15°C to +55°C / 5°F to 131°F	
Dimensions 147 x 83 x 34 mm / 5.79 x 3.27 x 1.34 inch	
Weight 0.57 kg / 20.11 oz	

For more detailed information about SAF products visit www.saftehnika.com or contact your SAF 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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