

Spectrum Analyzer,9kHz~3GHz



Model:SA2030

Frequency range: 9kHz~3GHz
 Resolution Bandwidth: 5Hz~3MHz in 1 to 10 steps
 Various measuring functions: frequency measurement, AM/FM demodulation, --ACP measurement, chromatogram etc
 Multi-windows modes, Spectrum zooming function
 Display as many as of 5 track lines
 8.4" LED back-lit display, English operation menu
 Interfaces: USB, LAN, VGA, GPIB, Rs232
 Compact structure; metal enclosure

Frequency	Frequency range	9kHz~3GHz	
	Resolution	1Hz	
	Reading accuracy	$\pm(\text{frequency reading} \times \text{reference frequency accuracy} + 1\% \times \text{scan width} + 10\% \times \text{RBW} + 0.5 \times [\text{scan width}/(\text{scan point}-1)] + 1\text{Hz})$	
	Internal base (10MHz)	Aging	<2ppm / year
Temperature drift		<2ppm (15°C - 38°C)	
Resolution Bandwidth	Range (<1kHz optional)	5Hz~500kHz(in 1 to 10 steps),1MHz, 3MHz	
	Selectivity (60dB/3dB)	<5:1 rated value (digital implementation, near to Gaussian shape)	
	Accuracy	<5%	
	Video bandwidth(VBW)	10Hz to 3MHz, in 1-3-10 steps	
DANL(10Hz resolution bandwidth)	100MHz	-124dBm	
	500MHz	-122dBm	
	900MHz	-120dBm	
	1.2GHz	-126dBm	
	1.8GHz	-123dBm	
	2.2GHz	-121dBm	
	2.6GHz	-120dBm	
3GHz	-118dBm		
Phase Noise	Deviation (10kHz : -85dBc/Hz)		
	Deviation (1MHz : -100dBc/Hz)		
*Attention: typical f=5000MHz, RBW<1kHz, sampling detection, path line average number ≥10			
Scanning Time	Scan width range	10ms-3000 100Hz≤SPAN≤3GHz	
	Scan Modes	Continuous, single	
Frequency Counter	Counter resolution	1HZ,10Hz,100Hz,1kHz	
	Counter Uncertainty	$\pm(\text{frequency reading} \times \text{reference frequency accuracy} + \text{counter resolution})$	
Spurious and Residual Response	TOI (third order inter-modulation distortion)	>30MHz +10dBm	
	Second Harmonic Distortion	+40dBm	
	Input relative spurious signal	<-60dBc	
	Residual Response	<-85dBm	
Common Specifications	Internal data storage : 256MB to user mode and path		
	Display LED: backlight brightness adjustable 8.4 inch TFT-LCD		
	Maximum weight:7.6kg		
	Size: 390(W)×182(H)×230(D)mm		
	Operating temperature: 0°C to 45°C		