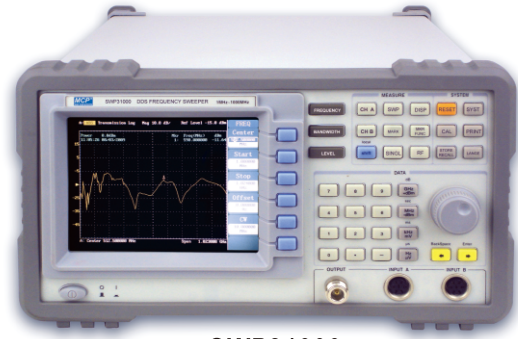


SWP31000 SERIES

Features

- .1GHz sweep signal
- .High accuracy and stability with digital PLL technology
- .Both lin. and log. scale display
- .Both auto and manual sweep time
- .5 free setting markers, gain and frequency display
- .6.4" TFT color LCD and soft keys
- .RS232, VGA interface and GPIB optional
- .Limit lines search, set and compare function
- .-3dB bandwidth and Q value measurement function



SWP31000

Technical Data

Output characteristics

Frequency range	1MHz~1024MHz	
Frequency resolution	100Hz	
Frequency accuracy	$\pm 5 \times 10^{-6}$	
Frequency stability	$1 \times 10^{-9}/\text{day}$	
Amplitude range	-67dBm~+13dBm	
Amplitude accuracy	$\pm 1.0\text{dBm}$ (-40dBm~12dBm $f \geq 10\text{MHz}$)	
Amplitude flatness	$\pm 1.0\text{dBm}$ (-40dBm~12dBm)	
SWR	≤ 1.5	
Output off attenuation	$\leq 80\text{dB}$	
Scale	mVrms, μVrms , dBm	
Output impedance	50 Ω	
Harmonic distortion	$\leq -25\text{dBc}$	
Sweep characteristics	Sweep time	auto/manual(250mS~10S)
	Sweep mode	continue/single
	Trig mode	int./ext.
	Ext. trig level	TTL
	Ext. trig frequency	$\leq 3\text{Hz}$

Input characteristics

Input impedance	50 Ω
Amplitude range	-40dBm~+13dBm

Display characteristics

Log. scale	1dB/div, 2dB/div, 5dB/div, 10dB/div
Lin. scale	10mV/div, 20mV/div, 50mV/div, 100mV/div, 200mV/div, 500mV/div
Mark	5
Display	80dB

Detector characteristics

Frequency range	1MHz~1024MHz
Dynamic range	60dB
Impedance	50 Ω
Max. input voltage	+16dBm
Max. safety voltage	$\pm 25\text{VDC}$, +20dBm
Power supply	110~127 VAC $\pm 10\%$, 220~240VAC $\pm 10\%$ 50Hz $\pm 2\text{Hz}$, 60Hz $\pm 2\text{Hz}$
Dimensions(W×H×D)	340×190×360mm
Weight	6kg