

S3531 Series Spectrum Analyzer



S3531 handheld spectrum analyzer is a stable and good performance product. S3531 provides a cost effective solution for spectrum analysis. It is suitable for RF components R&D, manufacture, maintenance and education.

Key Features

- Good specification with small size, low weight.
- Multiple communication interfaces, support SCPI for remote access
- Multi-window, multi-trace display

Typical Applications

- RF component manufacture/maintenance
- RF system test
- Education

		S3531A	S3531B
Specification			
Frequency range		9kHz - 1.8GHz	9kHz - 3GHz
Resolution		1Hz	1Hz
RBW Range		10Hz - 3MHz	10Hz - 3MHz
VBW Range		10Hz - 3MHz	10Hz - 3MHz
DANL (CF = 1GHz, RBW=1Hz)		<-135dBm Preamp off <-155dBm Preamp on	<-135dBm Preamp off <-155dBm Preamp on
SSB Phase Noise (CF=500MHz, RBW=1kHz)	Carrier offset 30kHz	-90dBc/Hz	-90dBc/Hz
	Carrier offset 100kHz	-100dBc/Hz	-100dBc/Hz
	Carrier offset 1MHz	-115dBc/Hz	-115dBc/Hz
Maximum safe input level	Average continuous power	+23dBm	+27dBm
	DC voltage	50Vdc maximum	50Vdc maximum
Input attenuator range		0 - 30dB, Steps of 3 dB	0 - 39dB, Steps of 1 dB
TOI	>30MHz	+13dBm	+13dBm
SHI		+30dBm	+30dBm
Input related spurious		<-60dBc	<-60dBc
Inherent residual response		<-85dBm	<-85dBm
Test Port		Type -N female (50Ω)	
Communication Port		USB, LAN	
General data			
Display		8 inch TFT LCD	8 inch TFT LCD
Dimensions		335(H)×162(W)×116(D)mm	335(H)×162(W)×116(D)mm
Weight		4kg	4kg
Power		100V - 240V, 60Hz AC	100V - 240V, 60Hz AC