

S3331 Handheld Spectrum Analyzer



S3331 handheld spectrum analyzer is designed for field use. It has a low weight, compact structure and a good performance. S3331 can be operated in field for 4 hours with battery power supply. It also provides telecommunication ports such as USB and LAN for remote data collection and remote control.

Key Features

- Frequency range from 9kHz - 7.5GHz
- Sensitive, best DANL <-160dBm
- Low weight, small size, large bright screen, suitable for field use
- Standard LAN and USB interface, support SCPI
- Standard AM,FM demodulation functions. Optional tracking source function

Typical Applications

- On site test, maintenance
- Spectrum Monitor

		S3331A	S3331B
Specification			
Frequency range		9kHz - 3.6GHz	9kHz - 7.5GHz
Resolution		1Hz	1Hz
RBW Range		1Hz - 50kHz, 1MHz, 3MHz	1Hz - 50kHz, 1MHz, 3MHz
VBW Range		10Hz - 3MHz	10Hz - 3MHz
DANL (CF = 1GHz, RBW=1Hz)		<-135dBm Preamp off <-155dBm Preamp on	<-133dBm Preamp off <-148dBm Preamp on
SSB Phase Noise (CF=500MHz, RBW=1kHz)	Carrier offset 30kHz	-90dBc/Hz	-80dBc/Hz
	Carrier offset 100kHz	-100dBc/Hz	-90dBc/Hz
	Carrier offset 1MHz	-110dBc/Hz	-110dBc/Hz
Maximum safe input level	Average continuous power	+27dBm	+23dBm
	DC voltage	50Vdc maximum	50Vdc maximum
Input attenuator range		0 - 39dB, Steps of 3 dB	0 - 30dB, Steps of 1 dB
TOI	>30MHz	+13dBm	+15dBm
SHI		+30dBm	+40dBm
Input related spurious		<-60dBc	<-60dBc
Inherent residual response		<-85dBm	<-85dBm
Test Port		Type -N female (50Ω)	
Communication Port		USB B type, LAN	
General data			
Display		6.5 inch TFT LCD	6.5 inch TFT LCD
		Resolution 600*480	Resolution 600*480
Dimensions		288(H)×182(W)×142(D)mm	288(H)×182(W)×142(D)mm
Weight		2.8kg (Including battery)	3kg (Including battery)
Battery Life		4 hours (typ.)	3.5 hours (typ.)