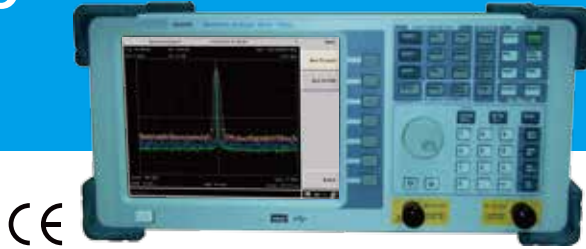


SA2030

Spectrum Analyzer



- 9kHz~3.0GHz
- VGA
- USB
- RS232
- LAN
- GPIO

Spectrum Analyzer

Features and Benefits

- Frequency range:9kHz~3.0GHz
- RBW:10Hz~3MHz(Standard);1Hz~3MHz(Optional)
- LED: 8.4 inches backlighting
- Five trace lines displayed simultaneously
- Various communication interface :USB, LAN, VGA, RS232,GPIB(Optional)
- Superior shielding performance, compact structure, easy to maneuver

Specifications

Frequency	
Frequency Range	9kHz~3.0GHz
Resolution	1Hz
Aging rate	<1ppm/year
Temperature stability	<0.1ppm(15°C~35°C)
Marker resolution	(frequency span)/(sweep points -1)
Uncertainty	\pm (frequency indication \times frequency reference uncertainty+1% \times span +10% \times resolution bandwidth + marker resolution+1 Hz)
Resolution bandwidth (RBW)	
Filter Bandwidth	5Hz~500kHz(1 to 10 sequence),1MHz,3MHz
Selectivity(60dB:3dB)(RBW \leq 500kHz)	<5:1 representative value(Digital realization,near to Gauss form)
Accuracy(RBW \leq 500kHz)	<5%,representative value
Amplitude specifications	
Maximum safe input level	+33 dBm
Maximum DC voltage	50Vdc
Input attenuator range	0dB to 50dB
1dB Compression Point	+7dBm
Video Bandwidth (VBW)	
Filter Bandwidth	10Hz~3MHz
Displayed average noise level(DANL)	
1MHz	<-120dBm
120MHz	<-124dBm
600MHz	<-122dBm
1250MHz	<-125dBm
1850MHz	<-123dBm
2350MHz	<-121dBm
2650MHz	<-120dBm
3000MHz	<-118dBm
SSB Phase Noise	
Carrier Shift 10kHz	-85 dBc/Hz
Carrier Shift 1MHz	-115 dBc/Hz

Sweep specifications

100Hz \leq Span \leq 1~3.0GHz	10ms~3000s
Span=0 Hz	1ms~3000s
Sweep mode	continuous; single

Spurious response

TOI	-85 dBc/Hz
SHI	-115 dBc/Hz
Input related spurious	-85 dBc/Hz
Residual response(Inherent)	<-85dBm

Marker frequency counter

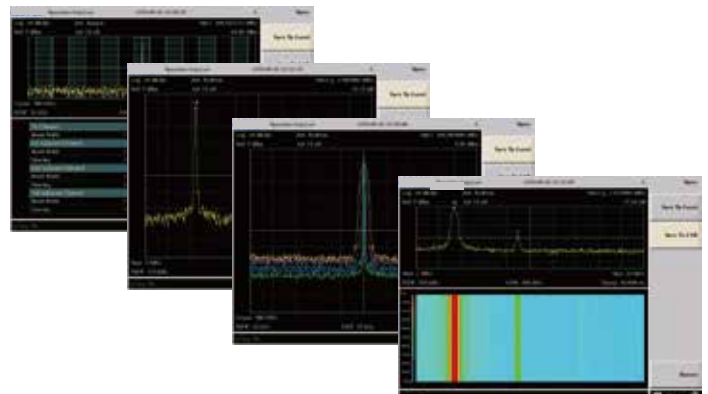
Resolution	1 Hz,10Hz,100Hz,1kHz
Uncertainty	\pm (marker frequency \times frequency reference uncertainty +counter resolution)

Input/Output

RF Input	Type-N female, 50 Ω Nominal
USB Host	Version 1.1
USB Device	Version 1.1
LAN Interface	RJ-45,10 Base-T,100 Base-T
RS232 Interface	D-sub 9-pin male
Reference Input/Output	BNC female,10MHz
VGA Interface	D-sub 15-pin female,800*600,60Hz
GPIB(Optional)	IEEE-488 bus connector
AM/FM	Headset jack

General specifications

Adaptor voltage	220V AC \pm 15%,110V AC \pm 15%,40Hz~60Hz
Power consumption	Max.60W
Temperature range	0°C~40°C
Relative humidity	-30°C~70°C
Data memory	128M
Display(LED Backlight)	8.4 inch TFT color display,800 pixels*600 pixels
Dimensions	390mm(W)*182mm(H)*230mm(D)
Weight	8.6kg



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