



E8000A - Features and Benefits



- Wide frequency range: 100 kHz ~3000 MHz and provide +15 dBm IP3 and lower noise
- Provides 1 ms minimum sweep time to detect any complex signals.
- Provides signal strength indication, spectrogram and fluorogram to find out interference signals.
- One-button measurement for channel power, OBW and adjacent channel power.
- Supports FM/AM demodulation and distinguishes noise
- GPS receiver option provides location (longitude, latitude, altitude) and Universal Time (UT) information.
- Standard Interface: USB, LAN

MOQ: 1 Piece/Pieces
 Delivery Detail: 1 week
 Payment Terms: T/T, Western Union

3.0GHz 3MHz RBW 1MHz VBW
 USB/LAN

Specifications	Frequency Range	100 kHz ~ 3000 MHz	
	Aging	± 1 ppm per year	
	Stability	± 1 ppm	
	Temperature Stability	± 2 ppm (0 to +50°C)	
	Frequency Resolution	10 Hz	
	Accuracy	±2 ppm, ±1 count (S/N 25 dB, RBW/span 0.01)	
	Counter Resolution	1 Hz (S/N 25 dB, RBW/span 0.01)	
	Frequency Span Range	0 Hz (Zero Span), 1 kHz to 3000 MHz	
	Sweep Range	1 mSec to 250 sec (Span > 1 kHz) 20 µSec to 500 sec (Span = 0 Hz)	
	Sweep Accuracy	< ± 0.2%	
	Trigger Type	Free run, Single, Video, TV	
	RBW Range	10 Hz to 3 MHz in 1-3-10 sequence	
	Bandwidth Accuracy	< ± 10%	
	Selectivity	< 5:1 (60 dB/3 dB Bandwidth Ratio)	
	VBW Range	10 Hz to 1 MHz in 1-3-10 sequence	
	Phase Noise	< -105 dBc/Hz @ 100 kHz offset from CW signal < -95 dBc/Hz @ 10 kHz offset from CW signal < -85 dBc/Hz @ 1 kHz offset from CW signal	
	Attenuator Range	0 dB ~ 50 dB	
	Attenuator Step	5 dB	
	Internal Preamp Range	1 MHz to 3000 MHz	
	Internal Preamp Gain	15 dB	
Max. Safe	Input +30 dBm (peak power/input attenuation >15 dB), 100 VDC		
DANL (Input Terminated, 0 dB Attenuator, RBW=100 Hz, VBW=3 Hz, Sample Detector)	Pre-amplifier OFF (Typical)	< -130 dBm 1 MHz ~ 1 GHz	< -126 dBm 1 GHz ~ 3 GHz
	Pre-amplifier ON (Typical)	< -145 dBm 1 MHz ~ 1 GHz	< -141 dBm 1 GHz ~ 3 GHz
SHI	< -70 dBc for -20 dBm signal at input mixer		
TOI	>+15 dBm (two -20 dBm signals at input mixer with ≥1 MHz separation and att=0)		
Residual Responses	< -85 dBm 1 MHz to 3000 MHz (Input Terminated and 0 dB Attenuator)		
Log Scale	0.1 to 1 dB/div in 0.1 dB step 1 to 40 dB/div in 1 dB step		
Scale Units	dBm, dBmV, dBµV, mV		
Traces	3 traces		
Trace Detector	Sample, Posi-peak, Neg-peak, Normal, Average		
Marker Functions	Peak, Next peak, Marker to center, Marker to ref, etc. r		
Reference Level	-130 dBm to +30 dBm		
Level Accuracy	< ± 1 dB @ +25°C (Typical)		
General	Interface	USB, LAN	
	Display	6.5 inch TFT color LCD, 640 x 480 pixels	
	Dimension	258 mm x 173 mm x 74 mm (W x H x D)	
	Weight	<2.2 kg	