



Synthesized Signal Generator

OSG1310

- Single channel.
- Frequency range: 25 MHz ~ 3 GHz.
- Up to 10 dBm output power.
- Pulse modulation function.
- Linear power and frequency sweep mode.
- USB Device, RS-232 interface.

Model	OSG1310		
Frequency	Range	25 MHz ~ 3 GHz	
	Resolution	3 Hz	
	Accuracy	±5 ppm	
	Stability	1×10 ⁻⁷	
	Reference Frequency	Reference output:	
		Frequency: 10 MHz	
		Level: >0 dBm	
		Port: BNC connector	
		Reference Input:	
		Frequency: 10 MHz	
Phase Noise	Power: -3 ~ +7 dBm		
	Input Port: BNC connector		
	Impedance (nominal): 50 Ω		
	-90 dBc ~ -115 dBc offset 20 kHz		
Spurious	Harmonic: <-35 dBc (power: ≤-5 dBm)		
	Non-harmonic: <-60 dBc		
Amplitude	Power Range	-60 dBm ~ +10 dBm	
	Resolution	0.25 dB	
	Accuracy	± (1.0+2% absolute value of setting value) dB	
		Output frequency 25 MHz ~ 2250 MHz	
		± (1.0+4% absolute value of setting value) dB	
	Input SWR (Standing-wave Ratio)	Output frequency 2250 MHz ~ 3000 MHz	
		< 1.5 typical value	
RF Output	Terminal: N type		
	Output Impedance: 50 Ω		
Pulse Modulation	Break-make Ratio	> 80 dB	
	Rising/Falling Time	< 100 ns	
	Pulse Width	0.25 s minimum	
	Pulse Period	0.5 s minimum	
Sweep	Frequency Sweep	Sweep mode: Linear	
		Min. step: 3 Hz	
Power Sweep	Sweep mode: Linear		
	Min. step: 0.25 dBm		
General Characteristics	Display	Resolution: 480 × 272	
		Size: 4.3 inch	
	Language	English	
		Voltage: 200 V ~ 240 V	
		Frequency: 50 (1±5%) Hz	
	Power	Power Consumption: <20 W	
		Warm-up: 30 minutes	
		Working Temperature: +10°C ~ +40 °C	
Environment and Dimensions	Storage Temperature: -40°C ~ +70 °C		
	Relative Humidity: ≤80%		
	Weight: <5 kg approx.		
	Dimension: 386 mm × 256 mm × 123mm (L x W x H)		

Accessories:

OSG1310-A1	Power Cord
OSG1310-A2	N-N Cable
OSG1310-A3	CD (Software+ User Guide)
OSG1310-A4	N-SMA adapter