

10MHz Sweep/Function Generator

8 2 1 0



■ FEATURE

- 4-in-1 Sweep, Function & Pulse Generator and Frequency Counter
- Versatile waveforms for Sine, Square, Triangle, Ramp, Pulse, Sawtooth and DC outputs
- 0.1 Hz to 10 MHz Frequency Out put in 7 Ranges
- Built in 7digits External Counter Display measuring up to 110MHz
- Internal and External linear Sweep control from 1:1 to 100:1
- Variable Symmetry for generating Sawtooth and Pulse waveforms
- TTL leveled Square waveform output
- Variable DC Offset control
- Variable Output level control with 20 dB Attenuator and Amplitude control

■ Technical Specification of 8210 Sweep/Function Generator

Function		Specification				
Output Characteristics	Waveforms	Sine, Square, Triangle, Ramp, Pulse, Sawtooth, TTL Levelled Square, DC				
	Frequency Range	0.1 Hz to 10 MHz in 7 Range (1, 10, 100, 1k, 10k, 100k, 1M)				
	Frequency Accuracy	± 5% of full scale				
	Output Level	20 Vp-p in open circuit 10 Vp-p into 50 Ω Load				
	Output Impedance	50 Ω ± 5 %				
	Attenuator	20 dB fixed and continuously variable				
	DC Offset Control	More than +/- 5V (into 50 ohm)				
Waveform Characteristics	Sine wave	Flatness : ± 0.3 dB to 10 MHz Distortion : Less than 1 % at 0.2 Hz to 100 kHz				
	Square wave	Rise and Fall Time : Less than 120 nSec				
	Triangle wave	Linearity : More than 99 % at 0.2 Hz to 100 kHz				
	TTL Output	Rise and Fall time : Less than 25 nSec Output Level : TTL Level (H ≥ 2.4 V, L ≤ 0.4 V)				
	Symmetry Variation	1:1 to 10:1				
Sweep Function Characteristics	Mode	Linear				
	Width	Variable from 1:1 to 100:1				
	Rate	0.5 Hz to 50 Hz (20 mSec to 2 Sec)				
	External VCF Input	Input Voltage : 0 to 10 V Input Impedance : Approx. 10 kΩ				
Frequency Counter Characteristics	Display	7 digits Green LED, Overflow, Gate time, MHz, kHz, Hz				
	Frequency Range	INT.: 0.2 Hz to 110 MHz, EXT.: 10Hz to 110 MHz				
	Accuracy	± Timebase Error ± 1 count				
	Low pass Filter	-3 dB, 100kHz				
	Timebase	10 MHz X-TAL, 20PPM				
	Input Sensitivity	100 mVrms				
	Max. Input Voltage	250 Vrms				
General	Power Requirement	115 or 230 VAC ± 10%, 48 to 66 Hz				
	Operating Temperature	0 to 50 °C (Accuracy specified at 25 ± 5 °C)				
	Dimension	240 (W) x 270 (D) x 90 (H) mm				
	Weight	Approx. 3 kg				
	Standard Accessories	Power Cord, BNC Cable, Fuse, Instruction Manual				
Packing Details		Q'ty	Size(mm)	N.W.(kg)	G.W.(kg)	Remark
	Inner Packing	1	305(W)x330(D)x165(H)		3.2	
	Carton Packing	4	355(W)x645(D)x360(H)	12.8	14.0	