

# 10MHz FUNCTION GENERATOR

FG-8110



## 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 Output in 7 Range
- 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

Function		Specification				
Output Characteristics	Waveforms	Sine, Square, Triangle, Ramp, Pulse, Sawtooth, TTL Levelled Square, DC				
	Frequency Range	0.1Hz to 10MHz in 7 Range (1,10,100,1K,10K,100K,1M)				
	Frequency Accuracy	± 5% of full scale				
	Output Level	20Vp-p in open circuit, 10Vp-p into 50Ω Load				
	DC Offset Control	More than +/-5V (into 50ohm)				
	Output Impedance	50Ω ±5%				
	Attenuator	-20dB fixed and continuously variable				
Waveform Characteristics	Sine wave	Flatness : ±0.3dB to 10MHz				
		Distortion : Less than 1% at 0.1Hz to 100KHz				
	Square wave	Rise and Fall time : Less than 25nSec				
	Triangle wave	Linearity : More than 99% at 0.1Hz to 100 kHz				
	TTL Output	Rise and Fall time : Less than 25nSec				
		Output Level :TTL Level ( H ; Higher than 2.4V, L ; Lower than 0.4V)				
	Symmetry Variation	1 :1 to 10 : 1				
Sweep Function Characteristics	Mode	Linear				
	Width	Variable from 1 :1 to 100 : 1				
	Rate	0.5Hz to 50Hz(20mSec to 2Sec)				
	External VCF Input	Input Voltage 0 to 10V				
Input Impedance : Approx. 10 kohm						
Frequency Counter Characteristics	Display	7digit Green LED, Overflow, Gate time, MHz, kHz, Hz, mHz,				
	Frequency Range	200mHz to 100MHz with Auto Range				
	Accuracy	+/- Timebase Error+/- 1Count				
	Low pass Filter	-3dB, 100kHz				
	Input Sensitivity	100mVrms				
	Time base	10MHz Crystal, 20ppm				
	Max. Input Voltage	250Vpp				
General	Power Requirement	115/230 VAC ±10%, 48 to 66Hz				
	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)	-	3.5	
	Carton Packing	4	355(W)x645(D)x360(H)	12.5	14.0	