

2MHz FUNCTION GENERATOR

FG-8102



■ FEATURE

- 4-in-1 Sweep, Function & Pulse Generator and Frequency Counter
- Versatile waveforms for Sine, Square, Triangle, Ramp, Pulse, Sawtooth and DC outputs
- 0.02 Hz to 2 MHz Frequency Output in 7 Range
- Built in 6digit Internal and External Counter Display (Up to 50MHz)
- Internal and External linear Sweep control from 1:1 to 100:1
- Variable Symmetry for generating Sawtooth and Pulse waveforms
- TTL and CMOS leveled Square waveform output
- Variable DC Offset control
- Variable Output level control with 20 dB Attenuator and Amplitude control

■ Technical Specification

	Function	Specification				
	Waveforms	Sine, Square, Triangle, Ramp, Pulse, Sawtooth, TTL/CMOS Leveled Square, DC				
Output Characteristics	Frequency Range	0.02Hz to 2MHz 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 50 ohm Load				
	Output Impedance	50 ohm ±5%				
	Attenuator	-20dB fixed and continuously variable				
Waveform Characteristics	Sine wave	Flatness : +/- 0.3dB to 2MHz				
		Distortion : Less than 1% at 0.2Hz to 100KHz				
	Square wave	Rise and Fall time : Less than 120nSec				
	Triangle wave	Linearity : More than 99% at 0.2 Hz to 100 kHz				
	TTL/CMOS Output	Rise and Fall time : Less than 25nSec(TTL)				
		TTL Output Level : (H ; Higher than 2.4V, L ; Lower than 0.4V) CMOS Output Level : 5 to 15V +/- 2V				
	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 kΩ				
Frequency Counter Characteristics	Display	6digit Green LED, Overflow, Gate time, MHz, kHz, Hz,				
	Frequency Range	200mHz to 50MHz				
	Accuracy	+/- Timebase Error+/-1 Count				
	Input Sensitivity	100mVrms				
	Time base	10MHz Crystal, 20ppm				
	Max. Input Voltage	250Vrms				
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 95(H)mm				
	Weight	Approx. 2.5 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)	-	2.5	
	Carton Packing	4	355(W)x645(D)x360(H)	10.0	11.5	