

5MHz FUNCTION GENERATOR

FG-8105



■ FEATURE

- 4-in-1 Sweep, Function & Pulse Generator and Frequency Counter
- Versatile waveforms for Sine, Square, Triangle, Ramp, Pulse, Sawtooth and DC outputs
- 0.05Hz to 5 MHz Frequency Output in 7 Ranges
- Built in 7digits External Counter Display measuring up to 100MHz
- Internal and External linear Sweep control from 1:1 to 100:1
- Variable Symmetry for generating Sawtooth(Ramp), Skewed Sine 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 Leveled Square, DC
	Frequency Range	0.05 Hz to 5 MHz in 7 ranges (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 50Ω Load
	Output Impedance	50Ω ± 5 %
	Attenuator	20 dB fixed and continuously variable
	DC Offset	More than ± 5V (into 50Ω)
Waveform Characteristics	Sinewave	Flatness : ± 0.3 dB to 5 MHz Distortion : Less than 1 % at 0.2 Hz to 100 kHz
	Squarewave	Rise and Fall Time : Less than 120 nSec
	Trianglewave	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 digit Green LED, Gate time, MHz, kHz, Hz, mHz
	Frequency Range	0.2 Hz to 100 MHz
	Accuracy	± Timebase Error ± 1 count
	Low Pass Filter	-3dB, 100kHz
	Timebase	10 MHz X-TAL, 20PPM
	Input Sensitivity	100 mVrms
	Max. Input Voltage	250 Vp-p
General	Power Requirement	115 or 230 VAC ± 10%, 48 to 66 Hz
	Operating Temperature	0 to 50 °C (Accuracy specified at 23 ± 5 °C)
	Dimension	240 (W) x 270 (D) x 90 (H) mm
	Weight	Approx. 2.8 kg
	Standard Accessories	Power Cord, BNC Cable, Fuse, Instruction Manual