

FUNCTION GENERATORS MULTI WAVEFORM GENERATORS



FEATURES

- SINE, TRIANGLE, SQUARE, PULSE & RAMP
- AM / FM /TTL/ CMOS
- VARIABLE DUTY CYCLE & DC OFFSET
- VCG INPUT
- 10 WATTS AUDIO AMPLIFIER UP TO 300KHZ
- INTERNAL AND EXTERNAL FREQUENCY COUNTER
- AMPLITUDE AND UNIVERSAL COUNTER
- COMPLY ALL INTERNATIONAL SAFETY STANDARDS
- OUTPUT ATTENUATION UP TO 60dB

A wide range of Basic Function Generators Frequency ranging from 1KHz to 3MHz, which are designed for use in electronic laboratories and educational institutions. These function Generators deliver very low distortion, high accuracy, stability and long operational life.

All Function Generators are designed to meet the international safety standards and also available with 10Watts Audio amplifier useful for educational experiments. Models above 1MHz, are available with 50MHz external Frequency counter. 3MHz Function generator is equipped with a 50MHz Frequency counter with amplitude display.

Technical Specifications

Function	MODELS	MODEL - FG A50K5 MODEL - FG A100K5	MODEL - FG 20K MODEL - FG30K	MODEL - FG 1M MODEL - FG 2M/FG 3M	MODEL - FGS 2M MODEL - FGS 3M
Frequency Range		0.5Hz to 50KHz 0.1Hz to 100KHz	0.2HZ to 200KHz 0.3HZ to 300KHz	0.01Hz to 1MHz 0.02Hz - 2MHz & 0.03-3MHz	0.02Hz to 2MHz 0.03Hz to 3MHz
Waveforms		Sine, Square, Triangle	Sine, Square, Triangle	Sine, Square, Triangle	Sine, Square, Triangle
Accuracy		±2%	±2%	±1% plus 1 Digit	±1% plus 1 Digit
Maximum Output Level		15V pp into 600Ω	15V pp into 600 Ω	20V pp & 10V pp into 50Ω	20V pp & 10V pp into 50Ω
Attenuator		0-60dB in 2 steps	0-60dB in 2 steps	0-60dB in 2 steps	0-60dB in 2 steps
Sine Wave Distortion		<2% up to 200KHz & 3% for above 200KHz	<2% up to 200KHz & 5% for above 200 KHz	<1% typical <100KHz; 3% > 100KHz	<1% typical <100KHz; 3% > 100KHz
Square Wave Rise/Fall		< 200 nsec	< 200 nsec	< 80 nsec	< 80 nsec
Sync Output		TTL Pulse	TTL Pulse	TTL Pulse	TTL Pulse
C MOS out		NA	NA	NA	Yes
VCG Input		0 to + 10VDC	0 to + 10VDC	0-2 VDC	0-2 VDC (10:1 sweep)
Output DC Offset		NA	NA	0- +/-5V (Open Circuit)	0- +/-5V (Open Circuit)
Pulse Duty Cycle		NA	NA	0- ±2.5 V into 50 ohm 15% to 85% Variable	0- ±2.5 V into 50 ohm 15% to 85% Variable
Pulse/Ramp		NA	NA	Approximately.1/10 of normal at same setting	Approximately.1/10 of normal at same setting
5 Watt Amplifier		Yes	Optional	NA	NA
4/5 Digit 50MHz Counter		Optional	Optional 4 digit	Yes 4 Digit / 5 digit	Yes 5 digit/ 8 Digit
3 Digit Amplitude Display		NA	NA	Yes	Yes
AM / FM		NA	NA	Yes	Yes
Internal Sweep		NA	NA	NA	Yes
Mains Voltage AC 50Hz		230V±10% Optional 110V	230V±10% Optional 110V	230V±10% Optional 110V	230V±10% Optional 110V

We pursue a policy of continuous development & product improvements, thus the specification in this document & view of the front panel may change without notice