

FUNCTION GENERATOR 1MHz



The **function generator** offers wide functional capability at a modest price. This compact unit has ranges from 0.1Hz to 1MHz. Range & function selection adds convenience to versatility. Added features not found in function generators of this price range are voltage control and a separate pulse output suitable for synchronization or driving TTL logic circuits. The instrument is designed using easily available components resulting in ease of serviceability. Greater emphasis has been put on ruggedness & reliability with the use of single pcb for complete circuit. The lower frequencies are of special interest to servo manufacturers. Offers sine, square, triangle functions upto 1MHz.

TECHNICAL SPECIFICATIONS

Frequency Range:	0.1Hz - 1MHz. with coarse and fine variable control between steps.
Functions :	Sine, Square, Triangle, Ramp, Pulse & TTL pulse output.
Display	Frequency
Freq :	Digital (4 digit 7 segment display) automatic decimal position
Accuracy Freq :	better than \pm (1% + 3digit)of F.S
Amplitude :	20 V p-p into open circuit (variable).
Attenuator :	2 steps attenuators 20dB each and variable 20dB
Amplitude flatness	\pm 3dB
DC Offset (switchable: & continuous)	Upto \pm 10V into open circuit. \pm 5V into 50 ohm.
Output Impedance:	50 ohms & 600 Ohms (Switchable)

WAVEFORM CHARACTERISTICS

Sine wave	
a) Distortion :	< 1% (low)
Square wave	
a) Rise time :	< 100 nsec approx. (10% to 90%)
b) Over shoot :	< \pm 5%
Triangle	
a) Non Linearity :	<1% (100KHz.)
Ramp & Pulse :	Duty cycle 20:80 upto 100KHz
Trigger Pulse output	
a) Sync Output :	TTL/ CMOS
General	
a) FM / VCO :	available
b) Power Supply :	230V , 50Hz, AC.
c) Accessories :	Instruction Manual.
d) Test Leads :	1x BNC to Crocodile. 1x Power cord.

CROWN ELECTRONIC SYSTEMS

FUNCTION GENERATOR 2MHz



The **function generator** offers wide functional capability at a modest price. This compact unit has ranges from 0.2Hz to 2MHz. Range & function selection adds convenience to versatility. Added features not found in function generators of this price range are voltage control and a separate pulse output suitable for synchronization or driving TTL logic circuits. The instrument is designed using easily available components resulting in ease of serviceability. Greater emphasis has been put on ruggedness & reliability with the use of single pcb for complete circuit. The lower frequencies are of special interest to servo manufacturers. Offers sine, square, triangle functions upto 1MHz.

TECHNICAL SPECIFICATIONS

Frequency Range:	0.2Hz - 2MHz. with coarse and fine variable control between steps.
Functions :	Sine, Square, Triangle, Ramp, Pulse & TTL pulse output.
Display	Frequency
Freq :	Digital (4 digit 7 segment display) automatic decimal position
Accuracy Freq :	better than \pm (1% + 3digit) of F.S
Amplitude :	20 V p-p into open circuit (variable).
Attenuator :	2 steps attenuators 20dB each and variable 20dB
Amplitude flatness	\pm 3dB
DC Offset (switchable: & continuous)	Upto \pm 10V into open circuit. \pm 5V into 50 ohm.
Output Impedance:	50 ohms & 600 Ohms (Switchable)

WAVEFORM CHARACTERISTICS

Sine wave	
a) Distortion :	< 1% (low)
Square wave	
a) Rise time :	< 100 nsec approx. (10% to 90%)
b) Over shoot :	< \pm 5%
Triangle	
a) Non Linearity :	< 1% (100KHz.)
Ramp & Pulse :	Duty cycle 20:80 upto 100KHz
Trigger Pulse output	
a) Sync Output :	TTL/ CMOS
General	
a) FM / VCO :	available
b) Power Supply :	230V , 50Hz, AC.
c) Accessories :	Instruction Manual.
d) Test Leads :	1x BNC to Crocodile. 1x Power cord.

CROWN ELECTRONIC SYSTEMS

FUNCTION GENERATOR 3MHz



The **function generator** offers wide functional capability at a modest price. This compact unit has ranges from 0.3Hz to 3MHz. Range & function selection adds convenience to versatility. Added features not found in function generators of this price range are voltage control and a separate pulse output suitable for synchronization or driving TTL logic circuits. The instrument is designed using easily available components resulting in ease of serviceability. Greater emphasis has been put on ruggedness & reliability with the use of single pcb for complete circuit. The lower frequencies are of special interest to servo manufacturers. Offers sine, square, triangle functions upto 3MHz.

TECHNICAL SPECIFICATIONS

Frequency Range:	0.3Hz - 3MHz.
Functions	: Sine, Square, Triangle, Ramp, Pulse & TTL pulse output.
Display	Frequency
Freq	: Digital (4 digit 7 segment display) automatic decimal position
Accuracy Freq	: better than \pm (1% + 3digit) of F.S
Amplitude	: 20 V p-p into open circuit (variable). 10V p-p into 50 ohms
Attenuator	: 2 steps attenuators 20dB each and variable 20dB
Amplitude flatness	\pm 3dB
DC Offset (switchable: & continuous)	Upto \pm 10V into open circuit. \pm 5V into 50 ohm.
Output Impedance:	50 ohms & 600 Ohms (Switchable)

WAVEFORM CHARACTERISTICS

Sine wave	
a) Distortion	: < 1%
Square wave	
a) Rise time	: < 100 nsec approx. (10% to 90%)
b) Over shoot	: < \pm 5%
Triangle	
a) Non Linearity	: < 1% (100KHz.)
Ramp & Pulse	: Duty cycle 20:80 upto 200KHz
Trigger Pulse output	
a) Sync Output	: TTL
General	
a) FM / VCO	: available
b) Power Supply	: 230V, 50Hz, AC.
c) Accessories	: Instruction Manual.
d) Test Leads	: 1x BNC to Crocodile. 1x Power cord.

CROWN ELECTRONIC SYSTEMS