

Function Generators EGC-3230 / EFG-3210

2 MHz Sweep Function Generator w / Counter

Features

EGC-3230

- 0.2Hz to 2MHz
- Sine, Square, Triangle and TTL / CMOS Pulse
- Variable Symmetry
- Variable DC Offset
- Lin / Log / External Frequency Sweep
- 6 Digit 10MHz Frequency Counter

EFG-3210

- 0.2Hz to 2MHz
- Sine, Square, Triangle and TTL Pulse
- Variable Symmetry
- Variable DC Offset
- Internal / External Frequency Sweep



EGC-3230



EFG-3210

Ordering Information

EGC-3230 / EFG-3210

Standard Accessories:

Manual, Power Cord
BNC to Alligator Clip 50Ω 1m Coaxial Cable

Optional Accessories:

EB-10 BNC to BNC 50Ω 1m Coaxial Cable
TP-321 Passive 1x / 10x Switchable Probe

Specifications	EGC-3230	EFG-3210
Output Waveforms	Sine, Triangle, Square, TTL/CMOS Pulse, Ramp, Sweep	Sine, Triangle, Square, TTL Pulse, Sweep
Output Frequency Range	0.2Hz to 2MHz in 7 Overlapping decade ranges	0.2Hz to 2MHz in 7 Overlapping decade ranges
Frequency Display	6 digit, 0.36 inch LED display	Dial Scale
Frequency Display Accuracy	+ / - 20ppm of display reading	± 5% of full dial scale
Output Amplitude	500mV to 20Vp-p open circuit	Variable to 20Vp-p open circuit
DC Offset Range	Adjustable between ±10V open circuit	Adjustable between ±10V open circuit
Step Attenuator	- 20dB / -40dB	- 20dB
Output Impedance	50Ω ± 10%	50Ω ± 10%
Sine Distortion	< 1%, 10Hz to 100KHz	< 1%, 10Hz to 100KHz
Triangle Linearity	< 1% at 100Hz	< 1% at 100Hz
Square Wave Rise / Fall Time	< 100ns	< 100ns
TTL Rise / Fall Time	< 25ns	< 25ns
CMOS Rise / Fall Time	< 60ns	-----
Time Symmetry	Variable 1 : 1 to 1 : 40	Variable 1 : 1 to 1 : 5
Sweep Mode	Linear / Log	Linear
Sweep Rate	0.2Hz to 100Hz Continuously varied	0.5Hz to 50Hz
Sweep Width	1:1 to 1000 : 1 Variable	1 : 1 to 1000 : 1 Variable
VCG	Up to 1000:1 frequency change with external 0V to +10VDC input	Up to 1000:1 frequency change with external 0V to +10VDC input
Frequency Counter Range	5Hz to 10MHz	-----
Counter Accuracy	± 20ppm	-----
Counter Sensitivity	30mVrms	-----
Counter Input Attenuator	0 / -20dB	-----
Power Consumption	25VA max.	25VA max
Power Requirement	100 / 120 / 220 / 240VAC Internal Selection	100 / 120 / 220 / 240VAC Internal Selection
Dimensions (W x H x D)	261mm x 71mm x 211mm	261mm x 71mm x 211mm
Weight	1.8kgs approx.	1.8kgs approx.

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