

Function Generators EGC-3230 / EFG-3210

2 MHz Sweep Function Generator w / Counter

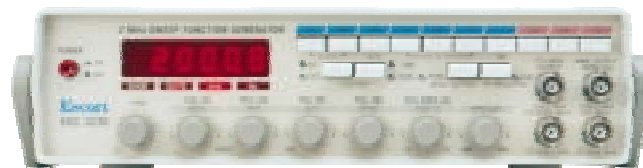
Features

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 50 Ω 1m Coaxial Cable

Optional Accessories:

EB-10 BNC to BNC 50 Ω 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	$\pm$ 5% of full dial scale
Output Amplitude	500mV to 20Vp-p open circuit	Variable to 20Vp-p open circuit
DC Offset Range	Adjustable between $\pm$ 10V open circuit	Adjustable between $\pm$ 10V open circuit
Step Attenuator	- 20dB / -40dB	- 20dB
Output Impedance	50 Ω $\pm$ 10%	50 Ω $\pm$ 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	$\pm$ 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.

東方科技公司 ORIENTAL TECHNOLOGY COMPANY



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Function Generators

EGC-3238A / 3236A / 3235A

5 / 10 / 15 MHz Sweep Function Generators

Features

- 0.01Hz to 15MHz in 7 Steps (ECG-3238A)
- 0.01Hz to 10MHz in 7 Steps (ECG-3236A)
- 0.01Hz to 5MHz in 7 Steps (ECG-3235A)
- Frequency, Symmetry, Sweep, DC Offset and Amplitude Function
- Built-In 50Mhz Frequency Counter
- AM, FM and External Modulation (ECG-3238A / ECG-3236A only)
- Fast output Attenuation Keys
- Economic Cost of Ownership



ECG-3238A



ECG-3236A



ECG-3235A

Ordering Information

ECG-3238A / ECG-3236A

ECG-3235A

Standard Accessories:

Manual, Power Cord

Optional Accessories:

EB-10 BNC to BNC 50 Ω 1m Coaxial-Cable

TP-321 Passive 1x / 10x Switchable Probe

Specifications	ECG-3238A	ECG-3236A	ECG-3235A
Output Characteristic			
Frequency	0.01 Hz to 15 MHz, 7 Range	0.01 Hz to 10 MHz, 7 Range	0.01 Hz to 5 MHz, 7 Range
Waveforms	Sine, Triangle, Square, DC	Sine, Triangle, Square, DC	Sine, Triangle, Square, DC
Amplitude	10Vp-p@50 Ω	10Vp-p@50 Ω	10Vp-p@50 Ω
Offset	+ / - 10V (OC)	+ / - 10V (OC)	+ / - 10V (OC)
Display	5 Digits LED	4 Digits LED	4 Digits LED
Modulation	FM / AM	FM / AM	-----
Sweep Mode	Linear	Linear	Linear
Sweep Time	10 msec to 5 sec	10 msec to 5 sec	10 msec to 5 sec
Sweep Rate	1 : 1 to 1 : 100	1 : 1 to 1 : 100	1 : 1 to 1 : 100
Frequency Counter			
Mode	Internal / External	Internal / External	Internal / External
Range	5Hz ~ 50MHz	5Hz ~ 50MHz	5Hz ~ 50MHz
Time Base	10MHz	10MHz	10MHz
Others			
Line Input	100 / 120 / 220 / 240 VAC Selectable, 50 / 60 Hz	100 / 120 / 220 / 240 VAC Selectable, 50 / 60 Hz	100 / 120 / 220 / 240 VAC Selectable, 50 / 60 Hz
Dimensions (W x H x D)	261 x 71 x 211 mm	261 x 71 x 211 mm	261 x 71 x 211 mm
Weight	3 kgs Approx.	3 kgs Approx.	1.6 kgs Approx.

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