



FG-7005C, FG-7002C, FG-8002

SWEEP / FUNCTION GENERATOR



FG-7005C

FG-7005C FEATURES

- 0.02Hz ~ 5MHz Frequency output in 7 Range
- 4-in-1 Sweep, Function & Pulse Generator and Frequency Counter
- Versatile waveforms for Sine, Triangle, Ramp, Pulse Sawtooth and DC outputs
- Built in 6 digit internal and external counter display(Max.50MHz)
- Internal and external linear sweep control from 1:1 to 100:1
- Low distortion for sine waveform less than 1% at 0.2Hz ~ 100kHz
- Variable symmetry for generating sawtooth and pulse waveforms
- TTL and CMOS leveled square waveform output
- Variable DC offset control
- Variable output level control with 20dB attenuator and amplitude control



FG-7002C

FG-7002C FEATURES

- 0.02Hz ~ 2MHz Frequency output in 7 Range
- 4-in-1 Sweep, Function & Pulse Generator and Frequency Counter
- Versatile waveforms for Sine, Triangle, Ramp, Pulse Sawtooth and DC outputs
- Built in 6 digit internal and external counter display(Max.50MHz)
- Internal and external linear sweep control from 1:1 to 100:1
- Low distortion for sine waveform less than 1% at 0.2Hz ~ 100kHz
- Variable symmetry for generating sawtooth and pulse waveforms
- TTL and CMOS leveled square waveform output
- Variable DC offset control
- Variable output level control with 20dB attenuator and amplitude control



FG-8002

FG-8002 FEATURES

- Wide frequency range : 0.02Hz to 2MHz.
- Versatile waveforms : Sine, Triangle, Square, Ramp and Pulse, Sawtooth.
- Low distortion factor less than 1% at 10Hz to 100kHz.
- TTL Leveled square wave output.
- Linear sweep control from 1 : 1 to 100 : 1.
- Variable symmetry to generate sawtooth and pulse waveforms.
- DC offset control.
- Maximum attenuation of 20dB can be obtained.



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Test and Measurement Instruments C.C.

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Specifications

SPEC		MODEL	FG-7005C	FG-7002C	FG-8002
FREQUENCY	Output Waveform	Sine, Triangle, Square,Pulse, Sawtooth, Ramp, TTL, CMOS			
	Frequency Range	0.05Hz~5MHz in the 7 Ranges		0.02Hz~2MHz in the 7 Ranges	
	Frequency Accuracy	± 1count			± 8% of Full Scale to 2MHz
EXTERNAL FREQUENCY CONTROL(VCF)	Input Voltage	0 to 10V(DC+AC peak)			
	Frequency Variable Range	100:1 or More			
	DC Offset	± 10V(Without Load), ± 5V(With Load)			
	Symmetrical Variable Range	10:1 to 1:10 or More			
SINE WAVE	Distortion	Less than 1%(0.2Hz ~ 100kHz)			
SQUARE WAVE	Rise/Fall Time	Less than 25ns	Less than 110ns	Less than 100ns	
TRIANGLE WAVE	Linearity	Less than 1% to 100kHz, Less than 5% to 2MHz			
TTL OUTPUT	Output	TTL level			
	Rise/Fall time	Less than 25ns			
CMOS OUPUT	Output	4V ~ 15V ± 1V, Continuously Variable			
	Rise/Fall time	Less than 40ns(at Max, output level)	Less than 110ns(at Max, output level)		
SWEEP	Width	1:1 to 100:1			
	Rate	20ms to 2s(50Hz to 0.5Hz)			
	Internal Sweep	Linear			
	External Sweep	By means of VCF input			
OUTPUT	Output Voltage	20Vp-p(Open circuit), 10Vp-p(into 50 Ω)			
	Attenuator	-20dB			
	Impedance	50 Ω ± 5%			
FREQUENCY COUNTER	Display	6 digit green LED(0.2Hz ~ 50MHz)			
	Accuracy	± Timebase Error ± 1count			
	Input sensitivity	kHz : 100mV, MHz : 300mV			
	Max. Input voltage	150Vrm(at 1kHz)			
GENERAL	Operating Envirnoments	0°C ~ +40°C, 85% RH			
	Ranges for Guaranteed	25°C ± 5°C, 70% RH			
	Power Requirement	AC 115 / 230V ± 10°C, 50 / 60Hz			
	Power Consumption	Approx. 20W			
	Dimension(mm)	255(W) × 80(H) × 260(D)			210(W) × 76(H) × 260(D)
	Accessories	Power Cord, BNC Cable, Fuse, Operator' s Manual			



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