

Function Generator

Part Nos. 01FG7002C, 01FG7005C, 01FG8002

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SPECIFICATIONS	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 (1, 10, 100, 1K, 10K, 100K, 1M)	0.02Hz-2MHz in the 7 Ranges (1, 10, 100, 1K, 10K, 100K, 1M)	
Frequency Accuracy	± 1 count		± 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 100ns (at Max, output level)	
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 OUTPUT			
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 50W)		

Attenuator	-20dB step and continuously Variable
Impedance	50Ω ± 5%
FREQUENCY COUNTER	
Display	6 digit green LED (0.2Hz ~ 50MHz)
Accuracy	±Timebase Error ± 1 count
Input Sensitivity	kHz: 100mV, MHz: 300mV
Max. Input Voltage	150V _{rm} (at 1kHz)
GENERAL	
Operating Environments	0°C ~ 40°C, 85% RH
Ranges for Guaranteed	25°C ±5°C, 70% RH
Power Requirements	AC 115/230V ± 10%, 50/60Hz
Power Consumption	Approx. 20W
Dimensions (mm)	225 (W) X 80 (H) X 260 (D) 210 (W) X 76 (H) X 260 (D)
Accessories	Power Cord, BNC Cable, Fuse, Operators Manual