

# Specifications For FG-55

MAIN	Frequency Range Amplitude Impedance Attenuator DC Offset Duty Control Display	0.5Hz ~ 5MHz (7 Ranges) 10Vpp (into 50Ω load) 50Ω±10% -20dB±1dBx2 <-5V ~ >5V (into 50Ω load) 80% : 20% : 80% to 1MHz Continue variable 6 digit LED display
SINE WAVE	Distortion  Flatness	≤1%, 0.5Hz ~ 100kHz THD ≤-30dB fundamental in all range (Specification applied from MAX. to 1/10 level) ≤0.3dB, below 500kHz ≤1dB, below 5MHz
TRIANGLE WAVE	Linear	≥98%, 0.5Hz ~ 100kHz ≥95%, 100kHz ~ 5MHz
SQUARE WAVE	Symmetry Rise / Fall Time	±2%, 1Hz ~ 100kHz ≤50nS at maximum output (into 50Ω load)
CMOS OUTPUT	Level Rise / Fall Time	4Vpp±1Vpp ~ 14.5Vpp±0.5Vpp adjustable ≤120nS
TTL OUTPUT	Level Fan Out Rise / Fall Time	≥3Vpp 20TTL load ≤25nS
VCF	Input Voltage Input Impedance	0V ~ 10V±1V (100:1) 10kΩ±10%
GCV (FOR FG 55 ONLY)	Output Voltage	To set the voltage between 0V ~ 2V as per different frequency
SWEEP OPERATION (FOR FG 55 ONLY)	Sweep/Manual Sweep/Rate Sweep/Time Sweep/Mode	Switch selector 100:1 ratio max. and adjustable 0.5sec. ~ 30sec. adjustable Lin./Log. switch selector
AMPLITUDE MODULATION (FOR FG 55 ONLY)	Depth MOD. Frequency Carrier BW EXT Sensitivity	0 ~ 100% 400Hz (INT), DC ~ 1MHz (EXT.) 100Hz ~ 5MHz (-3dB) ≤10Vpp for 100% modulation
FREQUENCY MODULATION (FOR FG 55 ONLY)	Deviation MOD. Frequency EXT. Sensitivity	0~±5% 400Hz (INT), DC ~ 20kHz (EXT.) ≤10Vpp for 10% modulation
FREQUENCY COUNTER	INT./EXT. Range Accuracy Time Base Resolution Input Impedance Sensitivity	Switch selector 0.5Hz ~ 5MHz (5Hz ~ 150MHz EXT.) Time base accuracy ±1 count ±20ppm (23°C±5°C) after 30 minutes warm up The maximum resolution is 100nHz for 1Hz and 1Hz for 100MHz 1MΩ // 150pF ≤35m Vrms (5Hz ~ 100MHz); ≤45m Vrms (100MHz ~ 150MHz)
POWER SOURCE		AC115V/230V±15%, 50/60Hz
ACCESSORIES		Power cord x 1, Instruction manual x 1, GTL-101 x 2
DIMENSION & WEIGHT		251(W) x 91(H) x 291(D)mm, Approx. 2.4kg