

FUNCTION GENERATOR

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GFG-8216A (3MHz)

- * Frequency Range: 0.3Hz ~ 3MHz
- * Waveforms: Sine, Triangle, Square, Ramp, TTL and CMOS Output
- * External Voltage Controlled Frequency (VCF) Function
- * Duty Cycle Control with Signal Inversion Capability
- * Variable DC Offset Control
- * Two-Step (-20dBx2) and Variable attenuator
- * Built-in 6 Digit Counter with INT/EXT Function up to 150MHz /high resolution



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SPECIFICATIONS

MAIN	Frequency Range Amplitude Impedance Attenuator DC Offset Duty Control Display Range Accuracy	0.3Hz ~ 3MHz (7 Range) > 10Vpp (into 50W load) 50W ± 10% -20dB ± 1dBx2 <-5V ~ >5V (into 50W load) 80% : 20% : 80% to 1MHz Continue variable 6 digit LED display *GFG-8215A does not have display. ± 5%+1Hz (at 3 position) for GFG-8215A
SINE WAVE	Distortion Flatness	≤ 1%, 0.3Hz ~ 200kHz < 0.3dB, 0.3Hz ~ 300kHz; < 0.5dB, 300kHz ~ 3MHz
TRIANGLE WAVE	Linear	≥ 98%, 0.3Hz ~ 100kHz; ≥ 95%, 100kHz ~ 3MHz
SQUARE WAVE	Symmetry Rise or Fall Time	± 2%, 0.3Hz ~ 100kHz ≤ 100nS at maximum output (into 50W load)
CMOS OUTPUT	Level Rise or Fall Time	4Vpp± 1Vpp ~ 14.5Vpp± 0.5Vpp adjustable ≤ 120nS
TTL OUTPUT	Level Fan Out Rise or Fall Time	≥ 3Vpp 20 TTL load ≤ 25nS
VCF	Input Voltage Input Impedance	0V ~ 10V ± 1V (100 : 1) 10kW ± 10%
FREQUENCY COUNTER (except GFG-8215A)	INT./EXT. Range Accuracy Time Base Resolution Input Impedance Sensitivity	Switch selector 0.3Hz ~ 3MHz (5Hz ~ 150MHz EXT.) Time base accuracy ± 1 count ± 20ppm (23 °C ± 5 °C) after 30 minutes warm up The maximum resolution is 10nHz for 1Hz and 0.1Hz for 100MHz 1MW // 150pF < 35mVrms (5Hz ~ 100MHz); ≤ 45mVrms (100MHz ~ 150MHz)
POWER SOURCE		AC115V/230V ± 15%, 50/60Hz
ACCESSORIES		Power cord x 1, Instruction manual x 1, GTL-101 x 2; GTL-101x1 for GFG-8215A
DIMENSIONS & WEIGHT		251(W) x 91(H) x 291(D)mm, Approx. 2.1kg