



GAG-809/810 (1MHz)



FEATURES

- * Frequency from 10Hz ~ 1MHz
- * 0.02% Low Sine wave Distortion (GAG-810 Only)
- * 6 Steps Output Attenuator
- * EXT SYNC Function

The GAG-809/810 provide a convenient solution for low frequency (< 1MHz) signal generation, specifically for audio bandwidth. Intuitive and simple panel interface provides quick frequency and amplitude adjustment, with dial/key shortcuts to different ranges. Square wave generation covers digital application in addition to the traditional analog using sine waves. Distortion is kept at minimum level, especially at the audible frequency range: 0.02% or less distortion factor for 500Hz~20kHz. The external synchronization signal input helps collaborating with other measurement devices.

SPECIFICATIONS	
SINE WAVE CHARACTERISTIC	
Frequency Range	10Hz ~ 1MHz, 5 Ranges
Frequency Indicator	Dial Scale
Frequency Accuracy	± 3% + 1Hz (at x10, x100)
Output Voltage	5 Vrms (600 load)
Frequency Response	10Hz ~ 1MHz ± 0.5dB (at 600 load) Reference Frequency (1kHz)
Distortion Factor	500Hz ~ 20kHz : ≤ 0.02% (GAG-809 : ≤ 0.1%) 100Hz ~ 100kHz : ≤ 0.05% (GAG-809 : ≤ 0.3%) (x 10 range for 100Hz, x 1k range for 100kHz) 50Hz ~ 200kHz : ≤ 0.3% 20Hz ~ 500kHz : ≤ 0.5% 10Hz ~ 1MHz : ≤ 1.5%
SQUARE WAVE	
Output Voltage	≥ 10Vpp (no load)
Overshoot	≤ 2% (at 1kHz, max output)
Rise & Fall Time	< 200ns
Duty Ratio	50% ± 5%
EXT. SYNCHRONIZATION	
Synchronizing Range	± 1%/Vrms
Max. Allowable Input	15V (DC + AC peak)
Input Impedance	150k
OUTPUT	
Output Impedance	600
Output Attenuator	0, -10, -20, -30, -40, -50dB 6 ranges (accuracy ± 1dB at 600 load)
POWER SOURCE	
AC 100/120/220/230V ± 10% , 50/60Hz	
DIMENSIONS & WEIGHT	
130(W) x 210(H) x 292(D)mm , Approx 3 kg	

ORDERING INFORMATION	
GAG-809	1MHz Audio Generator
GAG-810	1MHz Audio Generator with 0.02% Low Sine Wave Distortion
ACCESSORIES :	
User Manual x 1, Power cord x 1, Test lead GTL-103 x 1	



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