



**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

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 wave. 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	
<b>SINE WAVE CHARACTERISTIC</b>	
Frequency Range	10Hz ~ 1MHz, 5 Ranges
Frequency Indicator	Dial Scale
Frequency Accuracy	± (3% + 1Hz)
Output Voltage	5 Vrms (600 load)
Frequency Response	10Hz ~ 1MHz ± 0.5dB (at 600 load)
Distortion Factor	Reference Frequency (1kHz)
	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%
<b>SQUARE WAVE</b>	
Output Voltage	10Vpp or more (no load)
Overshoot	≤ 2% (at 1kHz, max output)
Rise & Fall Time	Less than 200nS
Duty Ratio	50% ± 5%
<b>EXT. SYNCHRONIZATION</b>	
Synchronizing Range	± 1%/Vrms
Max. Allowable Input	15V (DC + AC peak)
Input Impedance	150k
<b>OUTPUT</b>	
Output Impedance	600
Output Attenuator	0, -10, -20, -30, -40, -50dB
	6 ranges (accuracy ± 1dB at 600 load)
<b>POWER SOURCE</b>	
AC 100/120/220/230V ± 10% , 50/60Hz	
<b>DIMENSIONS &amp; WEIGHT</b>	
130(W) x 210(H) x 292(D) mm , Approx 3 kg	

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