

AG-205

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1MHz Audio Generator

- Frequency range 10Hz~1MHz (5 ranges)
- Output voltage:5Vrms (sine wave),10Vp-p(Square wave)
- Deviation of output voltage ± 0.5 dB
- Distortion 0.02% or less (500Hz~20kHz)
- Output impedance 600 Ω
- External sync 1%/Vrms minimumFrequency from 10Hz ~ 1MHz
- 0.02% Low Sine wave Distortion
- 6 step Output Attenuator
- EXT SYNC Function
- Dimensions : 130(W) x 210(H) x 292(D)mm
- Weight:Approx. 3 kg

Audio Generator



Specifications

Frequency range	Range	x1 : 10Hz ~ 100Hz x10 : 100Hz ~ 1kHz x100 : 1kHz ~ 10kHz x1k : 10kHz ~ 100kHz x10k : 100kHz ~ 1MHz
	Accuracy	$\pm(5\%+1\text{Hz})$ (at 10,100 Dial value, Except x1 Range)
Sine Wave	Output voltages	5V rms or more(600 Ω)
	Frequency characteristics	10Hz ~ 1MHz, ± 0.5 dB (reference freq: 1kHz, 600 Ω).
	Distortion factor	500Hz ~ 20kHz : 0.02% or less 100Hz ~ 100kHz : 0.05% or less (100Hz : x10 range, 100kHz : x1k range) 50Hz ~ 200kHz : 0.3% or less 20Hz ~ 500kHz : 0.5% or less 10Hz ~ 1MHz : 1.5% or less
Square Wave	Output voltages	10V p-p or more (600 Ω)
	Rise and fall times	200ns or less
	Overshoot:	2% or less(at 1kHz, max. output)
	Duty ratio	50% $\pm 5\%$ (at 1kHz, max. output)
External Synchronization	Synchronizing range	Approx. $\pm 1\%$ / V
	Max. allowable input:	15V (DC+AC peak)
	Input impedance:	Approx. 150k Ω
Signal output	Output impedance	Approx. 600 Ω
	Output attenuator	10dB-step, 6 range : 0dB, -10dB, -20dB, -30dB, -40dB, -50dB (Approx. 600 $\Omega \pm 1$ dB)
	Power requirement	AC 100V/120V/220V/230V $\pm 10\%$
Power requirement	Frequency	50Hz / 60Hz
	Power consumption	Approx. 10VA, 8W
	Operation Environment	Indoor, Altitude : below 2000m Within specification temperature : 23°C ± 5 °C Operation temperature : 0°C ~ 40°C Operation humidity range:85% RH(Max) no condensed Installation category II, Pollution degree 2
Storage environment	-10°C ~ 60°C, 85%RH(Max)	
Physical specification	Dimensions	132(W) x 196(H) x 250.5(D) mm
	Maximum Dimensions	132(W) x 210(H) x 292.3(D) mm
	Weight	Approx. 3kg
Accessories	Power cord x1 CD(Instruction manual) x1 Output cable x1 USING THE PRODUCT SAFELY x1	