

Instek Audio Generator

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FEATURES

- Frequency from 10Hz ~ 1MHz
- 0.02% Low sine wave distortion
- 6 steps output attenuator
- EXT SYNC Function

SPECIFICATIONS

SINE WAVE CHARACTERISTIC

Frequency Range	10Hz ~ 1MHz, 5 ranges
Frequency Indicator	Dial Scale
Frequency Accuracy	$\pm(3\% + 1\text{Hz})$
Output Voltage	5 Vrms (600 Ω load)
Frequency Response	10Hz ~ 1MHz $\pm 0.5\text{dB}$ (at 600 Ω load) Reference Frequency (1kHz)
Distortion Factor	500Hz ~ 20kHz, 0.02% or less
	100Hz ~ 100kHz, 0.05% or less (x 10 range for 100Hz, x 1k range for 100kHz)
	50Hz ~ 200kHz, 0.3% or less
	20Hz ~ 500kHz, 0.5% or less
	10Hz ~ 1MHz, 1.5% or less

SQUARE WAVE

Output Voltage	10Vp-p or more
Overshoot	2% or less (at 1kHz, max output)
Sag.	5% or less (at 50Hz)
Rise & Fall Time	Less than 200nS
Duty Ratio	50% $\pm 5\%$

EXT. SYNCHRONIZATION

Synchronizing Range	$\pm 5\%$ / Vrms
Max. Allowable Input	15V (DC + AC peak)
Input Impedance	150k Ω

OUTPUT

Output Impedance	600 $\Omega \pm 10\%$
Output Attenuator	0, -10, -20, -30, -40, -50dB 6 ranges (accuracy $\pm 1\text{dB}$ at 600 Ω load)

POWER SOURCE

POWER SOURCE	AC 100/120/220/240V $\pm 10\%$, 50/60Hz
ACCESSORIES	Power cord x 1, Instruction manual x 1, Test Lead GTL-103 x 1