

Hand Held Audio Generator



Features:

- Wide frequency range
- Sine and square wave output
- Sync output
- Variable amplitude
- Output attenuator (-20dB)
- 600Ω output impedance
- Low battery indicator
- Includes owners manual, 9V battery and test leads

Specifications: (at 10°C to 30°C, 80% Relative Humidity)

General

Frequency Range : X1 range 20Hz to 1.5kHz
X100 range 2kHz to 150kHz both with 23 steps of selected frequency

Accuracy : 20Hz to 100kHz (±3% or less)
100kHz to 150kHz (±5% or less)

Output Control : 0 dB, -20 dB and fine adjuster

Output Impedance : 600Ω ±10%

Sine Wave Characteristics

Output Voltage : 1.2 V RMS Maximum (No load)

Output Flatness : 20Hz to 150kHz ±0.5 dB (Reference Frequency 1kHz)

Distortion : 200Hz to 15kHz ±0.05% (THD) or less
50 Hz to 30 KHz ±0.1% (THD) or less
20 Hz to 100 KHz ±0.3% (THD) or less

Square Wave Characteristics

Output Voltage : 8 Vp-p maximum (when on load)

Rise and Fall Time : Less than 0.5 μs

Sag : Less than 5% at 20 Hz

Over Shoot : Less than 2% at maximum output

Duty Ratio : 50% ±5%

Synchronization Characteristics

Output Voltage : 1.2V_{RMS} (no load)

Output Impedance : 1kΩ ±5%

Output spec same as sine wave above



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General Information

Operating Temperature : 0°C to 50°C (specifications apply at 10°C to 30°C)
Storage Temperature : -20°C to 60°C (battery removed)
Power Requirements : 9 V battery, NEDA 1604 (included)
Battery Life : Up to 50 hours typical with alkaline
Up to 30 hours typical with zinc carbon
Battery Indicator : LED lamp indicates when approximately 20% battery life remains
Dimensions : 3-3/8"(W) × 6"(H) × 1"(D)
Weight : 200 g (with battery)
Includes : User's manual, test leads, 9V battery (zinc carbon)

Part Number Table

Description	Part Number
Hand Held Audio Generator	72-505

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