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: 1.2Vrms (no load)
Output Impedance: 1kΩ ±5%
Output spec same as sine wave above
Hand Held Audio Generator

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
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<tbody>
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<td>Hand Held Audio Generator</td>
<td>72-505</td>
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