



- Freq. Range — **20Hz ~ 200kHz**
- Deviation — **with in ± 1 dB (20Hz ~ 100kHz)**
- Distortion — **Less than 0.5% (50Hz ~ 100kHz)**

DESCRIPTION

The **AG-202A** is a Wien bridge CR-type, sine and square wave audio signal generator which is invaluable for high fidelity analysis in the lab, on service benches and in electronic educational classrooms. All solid state in construction, it produces excellent sine waves instantly with a minimum of distortion and square waves with fast rise time that are ideal for Hi-Fi tests. Input for synchronization with external signal sources has been provided to give this instrument further versatility.

FEATURES

- ① Near-perfect sine waves, excellent square waves.
- ② Instant signals, superior stability due to all solid state circuitry. No warm-up waiting time needed.
- ③ 10Vr.m.s. high level output at low impedance. Simple, sure attenuation control.
- ④ Easy-to-read, single dial with frequency readings accurately calibrated in four ranges, smooth dial mechanism.
- ⑤ Input provided for external signal sources, synchronization which produces signals of the highest accuracy.
- ⑥ Frequency and output level of signals are practically unaffected by line voltage fluctuations.

SPECIFICATIONS

Frequency Range: 20Hz to 200kHz in 4 ranges
 Range x 1 20Hz to 200Hz
 Range x 10 200Hz to 2,000Hz
 Range x 100 3kHz to 20kHz
 Range x 1,000 20kHz to 200kHz

Freq. Accuracy: $\pm(3\% + 2\text{Hz})$

Sine Wave Characteristics:

Output Voltage: 10Vr.m.s. $\pm 10\%$
Deviation: 1kHz. Reference
 ± 1.0 dB (20Hz to 100kHz)
 ± 1.5 dB (20Hz to 200kHz)
Distortion: 0.5% (50Hz to 100kHz)
 1% (20Hz to 200kHz)

Square Wave Characteristics:

Output Voltage: 10Vpp
Overshoot: 3%
Sag: 10% at 20Hz

External Synchronization:

Synchronization Voltage:
 1%/1.5V

Max. Input Voltage:
 10Vr.m.s.

Input Impedance: 20k Ω

Output Impedance: 600 Ω

Output Attenuation: 0 to -40dB, 3 steps at increments of 20dB and variable control

Drift with Line Voltage:
 ($\pm 10\%$ variation)
 Freq.: $\pm 0.5\%$
 Level: ± 0.5 dB

Ambient Temperature Range:
 0 to 50°C

Power Requirements: AC 100/117/230V 50/60Hz, 4.7W

Dimensions: 186(W) x 131(H) x 220(D) mm
 [190(W) x 154(H) x 245(D) mm
 Max. dimensions]

Weight: Approx. 2.8kg