

## AUDIO GENERATOR

Wired & Calibrated

### FEATURES

- Sine, square & complex waveforms
- Frequency coverage 20 to 200,000 cycles
- Frequency Accuracy 2%, Stability 1%
- Stable Wien Bridge type capacitance tuned oscillator

The STARKIT Model LAG - 55 is an indispensable instrument for checking, testing and maintenance of audio amplifiers, speakers, etc. Three different waveforms, namely, sine, square and complex, are available. The wide frequency range, 20 to 200,000 cycles per second calibrated on a clear dial, and the constant output level, are very desirable features which have been incorporated in the generator.

The sine wave output with very low harmonic content is suited for the determination of distortion in high fidelity amplifiers.

The square wave output is used for observing the transient characteristics of amplifiers, networks, filter, etc.

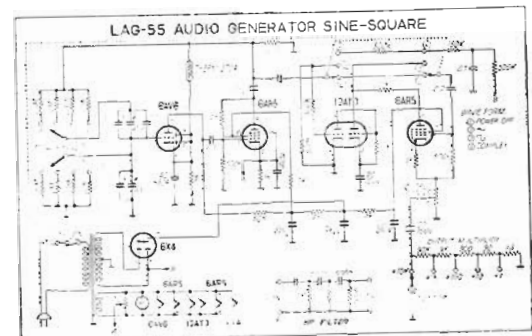
The complex wave output of two combined frequencies, a low (1 line) and a high (5,000 to 8,000 cps) with an amplitude ratio of 4:1 is used for I-M distortion testing. The internal high pass filter and an external scope are used.

A very stable Wien bridge oscillator circuit is used. The frequency range is covered in four decade bands and indicated on a clear easy to read dial.

A very constant output level is maintained due to the use of a thermister in the negative feedback circuit.



STARKIT MODEL LAG-55



### Specifications

#### FREQUENCY RANGE

20 to 200,000 on four ranges  
 A 20 to 200 cps  
 B 200 to 2000 cps  
 C 2kc to 20kc  
 D 20kc to 200kc

#### FREQUENCY ACCURACY

Within  $\pm 2\%$  or 2cps

#### FREQUENCY STABILITY

1% for 5% line voltage change

#### SINE WAVE OUTPUT

20 to 200,000 cps  
 Response: within 0.5 db  
 Output voltage: 5 volts rms  
 Distortion: less than 1%

#### SQUARE WAVE OUTPUT

20 to 20,000 cps  
 Response: within 0.5 db

#### OUTPUT IMPEDANCE

10K ohms approximately

#### COMPLEX WAVE OUTPUT

Above 5,000 cps  
 Amplitude ratio: 4:1  
 Output: 10 volts peak to peak.

#### TUBE COMPLIMENT

1-6AV6 1-12AT7 2-6AR5 1-6X4

#### POWER SUPPLY

115 ACV 60 cycles 35 watts approx.

#### SIZE & WEIGHT

6-3/4" X 12-5/8" X 8-1/2" 11 lb

IMPORTED

FOR OVER 30 YEARS THE LEADING SUPPLIER FOR INSTRUMENTATION

# STARKIT MODEL LAG-55

## LAG-55 AUDIO GENERATOR SINE-SQUARE

