

EXPERIMENT NO. 4 AUDIO AMPLIFIER MEASUREMENT

I. Objective

To be able to determine the power output of an audio amplifier.

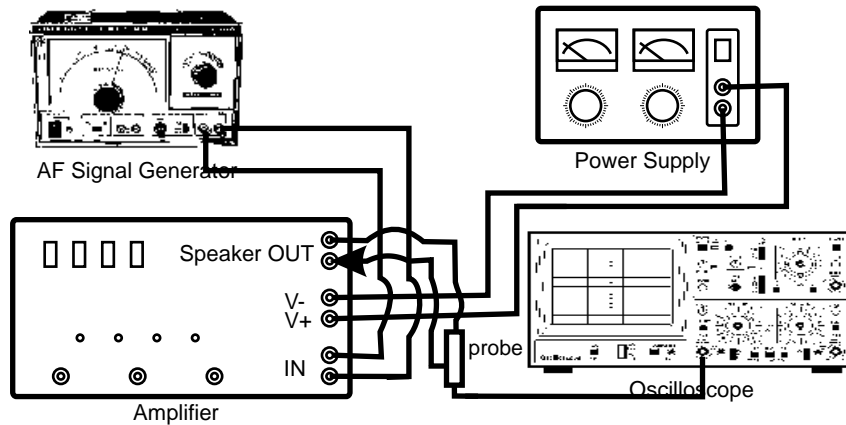
II. Materials

Audio Amplifier
AF Signal Generator
Connecting wires with alligator clip

Power Supply
Oscilloscope

III. Procedure

1. Assemble the circuit below.



2. Increase the AF signal generator output level until clipping begin to occur and set the power supply to 12V.
3. Measure the peak-to-peak voltage (V_{P-P})
4. Compute the power using the formula:

$$P = \frac{V^2}{R}$$

5. Repeat steps 1 to 4. Now set the power supply to 18V.

IV. Computations

V. Discussion

VI. Observation

VII. Conclusion