

Experiment(s):

1. Determination of Speaker characteristics like frequency response, sensitivity, audible range, bandwidth, coil resistance, inductance, etc

(For more details, procedure & manual visit: www.kamaljeeth.net)



Experiment Setup Consists:

- a) Experimental Setup
- b) Decible Meter
- c) Speaker set
- d) Signal generator

Specifications:

a) Experimental Setup

Input: From Signal Generator
Voltmeter: Wide band (200KHz)
AC Voltmeter
Range: 0-2V
Resolution: 0.001V
Built-in power amplifier capable of powering up to 4Ω speaker
Power: AC 220V/50Hz or AC 110V/60Hz
Power Consumption: <30W
Connectors: 2mm-2mm moulded brass pin patch cords

b) Decible Meter

c) Speaker Set

Consist of 3 Speakers - Woofer, Mid-range and Tweeter

d) Signal Generator

Frequency: 1 Hz to 1 MHz
Display: Frequency & Waveform
Power: AC 220V/50Hz or AC 110V/60Hz
Power Consumption: <30W
Amplitude: 0 to 20V Variable
Waveforms: Sine, Square and Triangular

Reference : Lab Experiments Journal vol-12, No.1, Page-42



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