

SPEAKER AND MICROPHONE CHARACTERISTICS

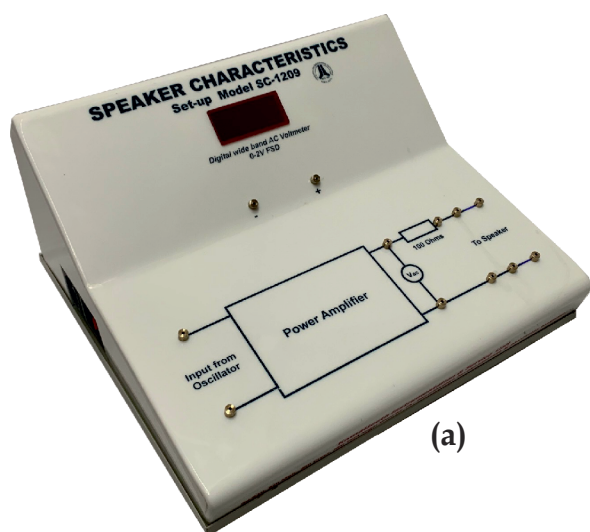
Model: SMC-1209/205

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)

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



(a)



(c)



(b)



(d)

Experiment setup consists:

- a) Speaker characteristics kit
- b) Sound intensity meter
- c) Speaker set
- d) Signal generator

Specifications:

a) Speaker characteristics kit

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

b) Sound intensity meter

Measures upto 130 dB

c) Speaker Set

Consist of 3 speakers - woofer, mid-range and tweeter

d) Signal generator

Frequency: 1 Hz to 1 MHz
Display: Frequency & waveform
Rated Input: 220 V/50 Hz
or 110 V/60 Hz
Power Consumption: <30 W
Amplitude: 0 to 20 V variable
Waveforms: Sine, square and triangular



KAMALJEETH INSTRUMENTS

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3 years manufacturing warranty