Model: BEE-301/504

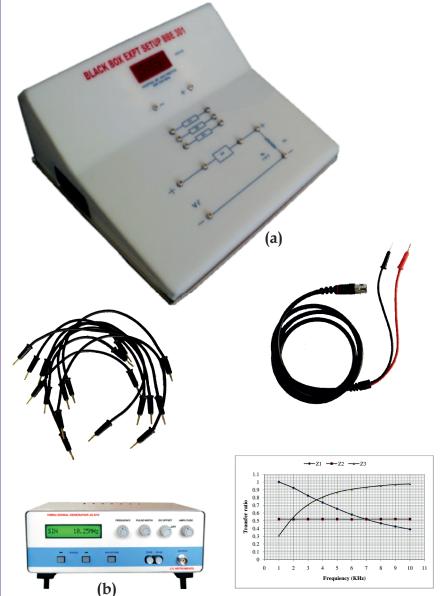
BLACK BOX

Experiment(s):

- 1. Identification of unknown components by seeing its AC response
- 2. Determination of the values of the components (Inductor, capacitor & resistor)

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

Reference : Lab Experiments Journal vol-14, No.3, Page-167



Experiment setup consists:

- a) Black box kit
- b) Signal generator

Specifications:

a) Black box kit Unknown components: Inductance, capacitor and resistor Meter: Digital wide band AC voltmeter Display: Digital AC 3¹/₂ digit, LED Range: 20 V Resolution: 0.1 V Rated Input: 220 V/50 Hz 110 V/60 Hz or Power consumption: <50 W Cabinet: Acrylic body, aluminium bottom Patch cords Set of standard 2mm patch cords of different lengths with spare cords

b) Signal generator Frequency: 1 Hz to 1 MHz Display: Frequency & waveform

Rated Input: 220 V/50 Hz 110 V/60 Hz or Power consumption: <30 W Amplitude: 0 to 20 V variable Waveforms: Sine, square and triangular

ELECTRICITY

Variation of transfer ratios of different components v/s frequencies

KAMALJEETH INSTRUMENTS

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