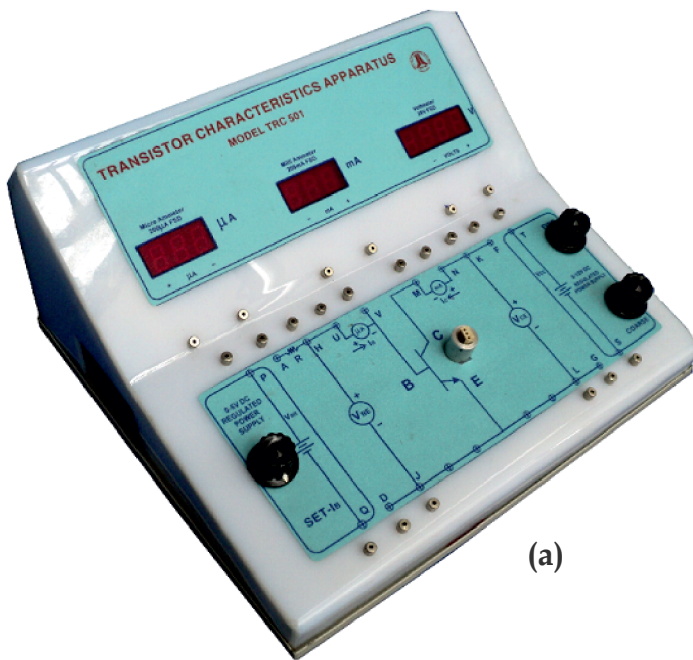


Experiment(s):

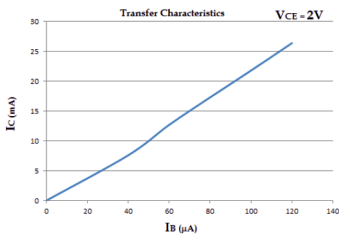
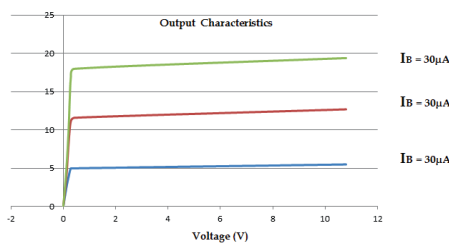
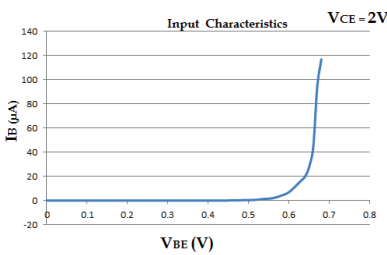
1. Study of input, output & transfer characteristics and calculation of input resistance, output resistance and amplification factor for any given n-p-n transistor.

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

Reference : Detailed textbook of Engineering physics practicals by S P Basavaraju, Page -121



(a)



(b)

Experiment setup consists:

- a) Transistor characteristics kit
- b) Set of transistors

Specifications:

a) Transistor characteristics kit

Power supply: 0-10 V DC variable & regulated
 Power supply: 0-5 V DC variable & regulated
 Volt meter: Digital DC 3½ digit
 Range: 20 V
 Resolution: 0.01 V
 Current meter: Digital DC 3½ digit
 Range: 200 mA
 Resolution: 0.1 mA
 Current meter: Digital DC 3½ digit
 Range: 200 µA
 Resolution: 0.1 µA
 Device mounting: External
 Semi-conductor devices: n-p-n transistor
 Rated Input: 220 V/50 Hz or 110 V/60 Hz
 Power Consumption: <50 W
 Cabinet: Acrylic body, aluminium bottom
 Connectors: 2 mm - 2 mm brass moulded patch cords

b) Silicon transistor

Type: n-p-n
 Part number: SL-100



KAMALJEETH INSTRUMENTS

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 Website: www.kamaljeeth.net, Email: labexperiments@kamaljeeth.net

3 years manufacturing warranty