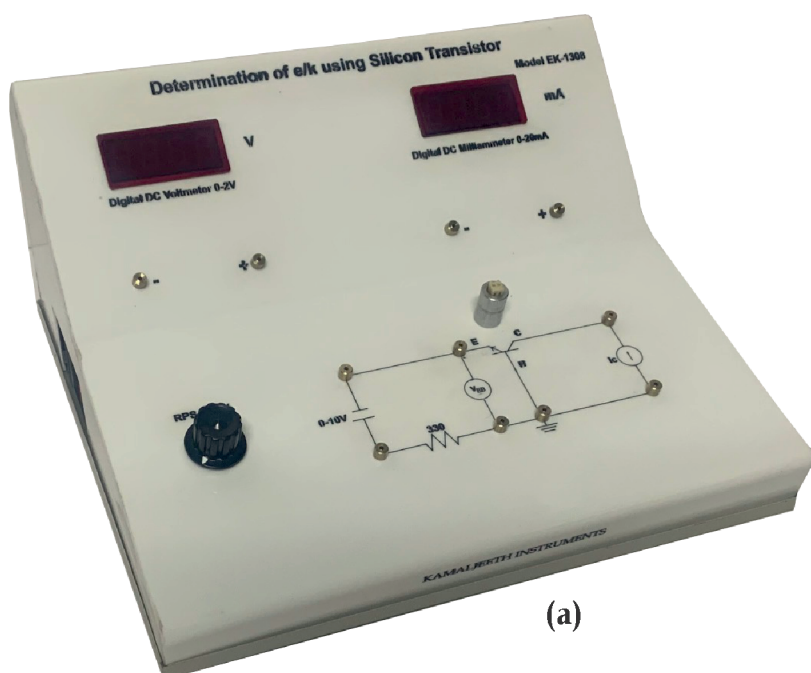


Experiment(s):

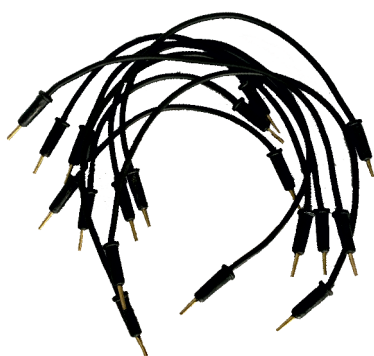
1. Determination of e/k using silicon transistor

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

Reference : Lab Experiments Journal vol-13, No.4, Page-250



(a)



(b)



(c)

Experiment setup consists:

- e/k using silicon kit
- Patch cords
- Silicon transistors

Specifications:**a) e/k using silicon kit**

Voltmeter : 3½ digit, LED display

Range: 0-2 V

Resolution: 0.001 V

Current meter: 3½ digit, LED display

Range: 0-20 mA

Resolution: 0.01 mA

Source: Built-in 0-10V DC regulated power supply

Rated Input: 220 V/50 Hz

or 110 V/60 Hz

Power consumption: <40 W

Cabinet: Acrylic body, aluminium bottom

b) Patch cords

Set of standard 2mm patch cords of different lengths with spare cords

c) Silicon transistor

Type: n-p-n

Part number: SL-100

Quantity: 2 nos



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