

Experiment(s):

1. Current sensitivity of a galvanometer
2. Conversion of galvanometer into voltmeter
3. Conversion of galvanometer into ammeter

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



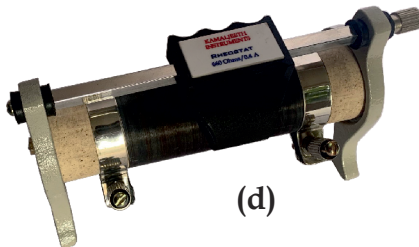
(a)



(b)



(c)



(d)



(e)



(f)



(g)

Experiment setup consists:

- a) Galvanometer
- b) Power supply
- c) Resistance box
- d) Rheostat
- e) Ammeter
- f) Voltmeter
- g) Connecting wires

Specifications:

a) Galvanometer
Range: 30-0-30
Sensitivity: 2 $\mu\text{A}/\text{div}$

b) Power supply
Voltage: 0-2 V variable
Current: Max 1 A
Key: Built-in

c) Resistance box
Type: Plug type
Resistance coil: Manganin

d) Rheostat
Resistance : 660 Ω

e) Reference ammeter
Range: 2A
Resolution:

f) Reference voltmeter
Range: 10 V
Resolution: 0.1 V

g) Connecting wires
As required for both experiments



KAMALJEETH INSTRUMENTS

Address: No. 610, 5th main, 8th cross Tatanagar, Bangalore - 560092, INDIA

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

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