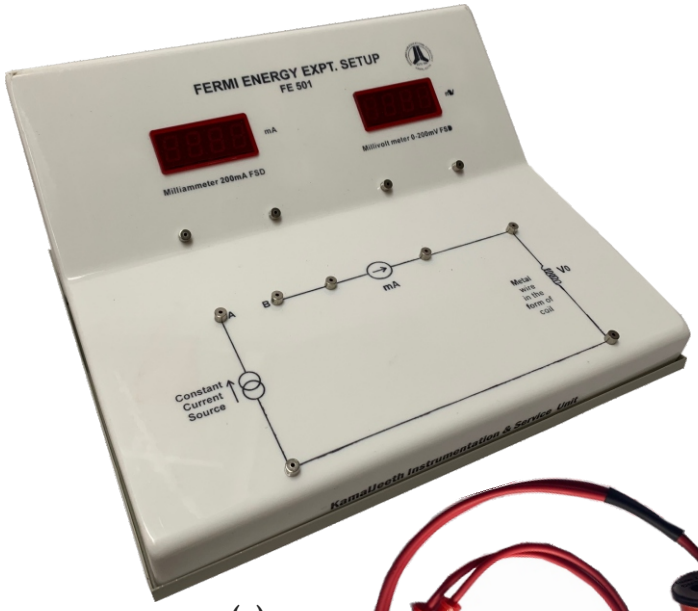
FERMI ENERGY IN COPPER

Model : FE-501/068

Experiment(s):

1. Determination of Fermi energy level in copper

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



(a)

(b)

(c)

Reference : Lab Experiments Journal vol-5, No.4, Page-299

Experiment Setup Consists:

a) Experimental Setup

b) Digital Thermostat

c) Electric Kettle & Stand

Specifications:

a) Experimental Setup
Voltmeter: 0-200mV
Resolution: 0.1mV
Ammeter: 0-200mA
Resolution: 0.1mA
Source: Built-in constant current source
Power: AC 220V/50Hz or AC 110V/60Hz
Power Consumption: <40W
Cabinet: Acrylic body, aluminum bottom
Connectors:
2mm-2mm Brass moulded patch cords

b) Digital Thermometer
Range: 300°c
Resolution: 0.1°c

c) Electric Kettle & Stand
Kettle Capacity: 0.5L
Max Temp: 100°c
Stand: Height adjustable and holds test tube with sample and temperature probe

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