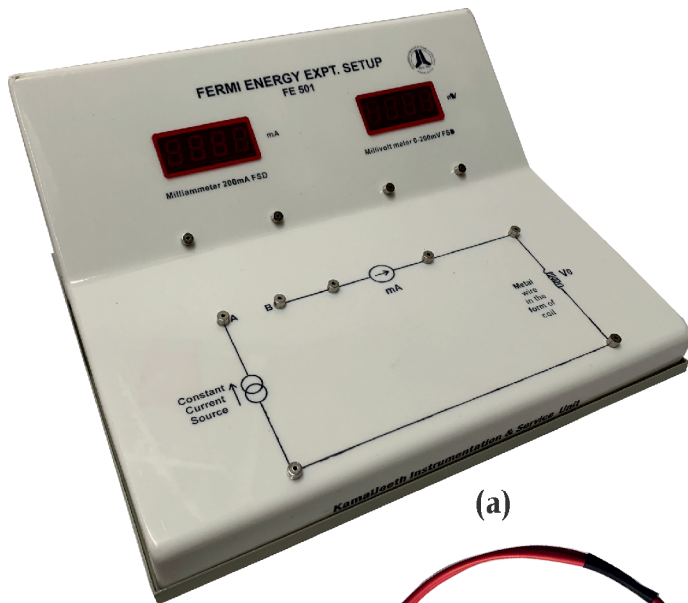


Experiment(s):

1. Determination of Fermi energy level in copper

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

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



(a)



(b)

(c)

Experiment setup consists:

- Fermi energy kit
- Digital thermostat
- Electric kettle & stand

Specifications:**a) Fermi energy kit**

Voltmeter: 0-200 mV

Resolution: 0.1 mV

Ammeter: 0-200 mA

Resolution: 0.1 mA

Source: Built-in constant current source

Rated Input: 220 V/50 Hz

or 110 V/60 Hz

Power consumption: <40 W

Cabinet: Acrylic body, aluminium bottom

Connectors:

2 mm-2 mm brass moulded patch cords

b) Digital thermometer

Range: 300 °C

Resolution: 0.1 °C

c) Electric kettle & stand

Kettle capacity: 0.5 L

Maximum temperature: 100 °C

Stand: Height adjustable and holds test tube with sample and temperature probe



KAMALJEETH INSTRUMENTS

ESTD. 1990

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

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

3 years manufacturing warranty