

TUNGSTEN FILAMENT TEMPERATURE & RESISTIVITY

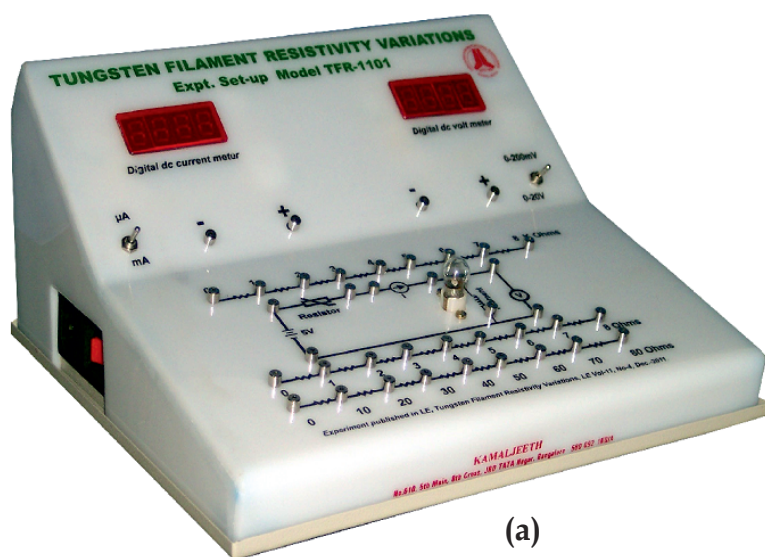
Model: TFR-1101/312

Experiment(s):

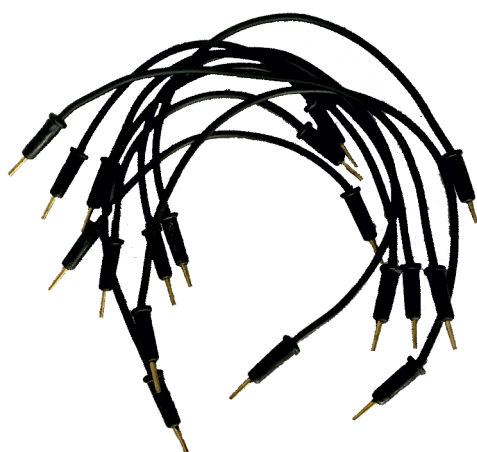
1. Estimation of filament temperature by the resistivity variation study

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

Reference : *Lab Experiments Journal vol-11, No.4, Page-301*



(a)



(b)

Experiment setup consists:

- a) Tungsten filament resistivity kit
- b) Set of patch cords

Specifications:

a) Tungsten filament resistivity kit

Voltmeter:

Digital DC 3½ digit voltmeter
Range: Selectable 0 - 200 mV or
0 - 20 V

Resolution: 0.1 mV or 0.01 V

Current meter:

Digital DC 3½ digit
Range: Selectable 200 mA or
200 µA

Resolution: 0.1 mA or 0.1 µA

Internally connected circuit
with provision for changing
load resistance

Load resistance: Selectable from
1 Ω to 80 Ω

Sample: Tungsten Filament
bulb

Power supply: Regulated 5 V
DC fixed voltage power supply
Rated Input: 220 V/50 Hz
or
110 V/60 Hz

b) Patch cords

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



KAMALJEETH INSTRUMENTS

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

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

ESTD. 1990

3 years manufacturing
warranty