

## Experiment(s):

1. Determination of thermal conductivity of bad conductors by Lees & Charton's method

(For more details, procedure & manual visit: [www.kamaljeeth.net](http://www.kamaljeeth.net))

Reference : Pragathi Practical Physics, Page-27



(b)



(c)



(a)

### Experiment setup consists:

- a) Less discs on stand
- b) Steam generator with heater
- c) Digital thermometer (optional)

### Specifications:

#### a) Less discs on stand

Lees discs made of brass with provision for insulator and thermometer

Free hung type arrangement  
Samples: Cardboard of different thickness and glass

#### b) Steam Generator with heater

Capacity: 1.5 L

Output: Approx. 1 L/hr

Rated Input: 220 V/50 Hz

or 110 V/60 Hz

Power Consumption: <1000 W

Socket: 5 A, 3 Pin mains cord

Rubber tube: 6 mm, 1 m length

#### c) Digital Thermometer (optional)

Quantity: 2 nos

Probe: Extendable

Temperature: -40 °C to 320 °C

Power: Battery operated



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