

## 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))



(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: 1.5L

Output: Approx. 1L/hr in low setting and 2L/hr in high setting

Power: AC 220V/50Hz or  
AC 110V/60Hz

Power Consumption: <1000W

Socket: 5A, 3Pin mains cord

Rubber tube: 6mm, 1m length

### c) Digital Thermometer (optional):

Quantity: 2 nos

Probe: Extendable

Temperature: -40°C to 320°C

Power: Battery operated

Reference : Pragathi Practical Physics, Page-27



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Address: No. 610, 5th main, 8th cross Tatanagar, Bangalore 560 092  
Website: [www.kamaljeeth.net](http://www.kamaljeeth.net), Email: [labexperiments@kamaljeeth.net](mailto:labexperiments@kamaljeeth.net)

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