

Experiment(s):

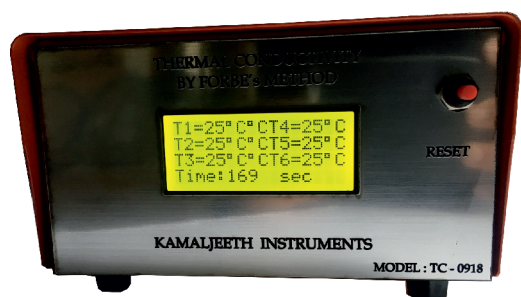
1. Determination of thermal conductivity of a given sample

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

Reference : Lab Experiments Journal vol-14, No.3, Page-208



(a)



(b)

Experiment setup consists:

- Thermal conductivity sample and temperature sensor
- Digital multi stem thermometer with clock

Specifications:**a) Thermal conductivity sample and temperature sensor**

Rod material: Iron
(Also customizable for Aluminium, Copper & Brass)
Rod uniform cross section: 12 mm
Rod Length: 350 mm
Heater: Ceramic type, 35 W
Max temperature: 125 °C
Sensors: 6 probes at 50 mm interval
Resolution: 1 °C
Rated Input: 220 V/50 Hz
or 110 V/60 Hz
Power Consumption: <60 W

b) Digital multi stem thermometer with clock

Sensor inputs: 6
Clock: 0-9999 sec,
Clock readout: Always displayed in sec
Reset: Independent of temperature sensor probe
Rated Input: 220 V/50 Hz
or 110 V/60 Hz
Probe heater: Built-in, heating capacity up to 35 W



KAMALJEETH INSTRUMENTS

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3 years manufacturing warranty