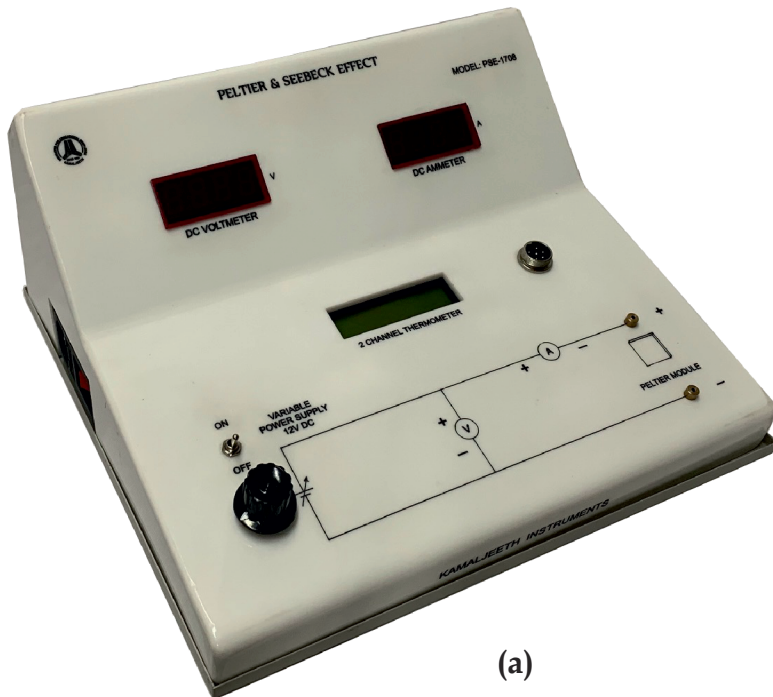


Experiment(s):

1. Study of Peltier effect and Seebeck effect

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

Reference : *Lab Experiments Journal vol-14, No.3, Page-217*



(a)



(c)

(b)

Experiment setup consists:

- Peltier & Seebeck effect kit
- Peltier module
- Thermocouple (2 nos)

Specifications:

a) Peltier & Seebeck effect kit
 DC ammeter: 0-20 A
 Resolution: 0.01 A
 Voltmeter: 0-20 V
 Resolution: 0.01 V
 Power supply: Variable 0 -12 V,
 Regulated output
 Thermometer: 2 channel
 0-150 °C,
 Resolution: 1 °C
Thermometer: Socket for
 Digital Probe thermocouple
 Rated Input: 220 V/50 Hz
 or 110 V/60 Hz

b) Peltier module
 Module maximum power: 25 W
 Heat-sink: 2 nos
 (on hot and cold sides)
 Max temperature difference:
 40 °C
 Temperature sensor: 2 nos
 mounting on heat sinks

c) Thermocouple
 Type Probe type thermocouple



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3 years manufacturing
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