

Experiment(s):

1. Study of Peltier effect and Seebeck effect

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



Experiment Setup Consists:

- a) Experimental Setup
- b) Peltier Module
- c) Thermocouple (2 nos)

Specifications:

a) Experimental Setup

DC Ammeter: 0-20 A
Resolution: 0.01 A
Voltmeter: 0-20 V
Resolution: 0.01 V
Power Supply: Variable 0-12V,
Regulated output
Thermometer: 2 Channel
0-150°C, Resolution: 1°C

b) Peltier Module

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

c) Thermometer

Type: Digital Probe type

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



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