

Experiment(s):

1. Determination of temperature, sensitivity of thermocouple & calibration

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

Reference : Lab Experiments Journal vol-7, No.3, Page-171

**Experiment setup consists:**

- a) Thermo EMF amplifier
- b) Reference thermometer
- c) Electrical kettle

Specifications:

- a) Thermo couple amplifier**
 Amplifier: K-type thermo couple or J-type thermo couple
 Millivoltmeter: Digital millivoltmeter 0 - 200 mV
 Resolution: 0.1 mV
- b) Heating source**
 Electric kettle for boiling water
 Max. temperature: 100 °C
 Capacity: 500 ml
- c) Reference thermometer**
 Digital thermometer
 Probe: Extendable
 Temperature: -40°C to 320°C



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