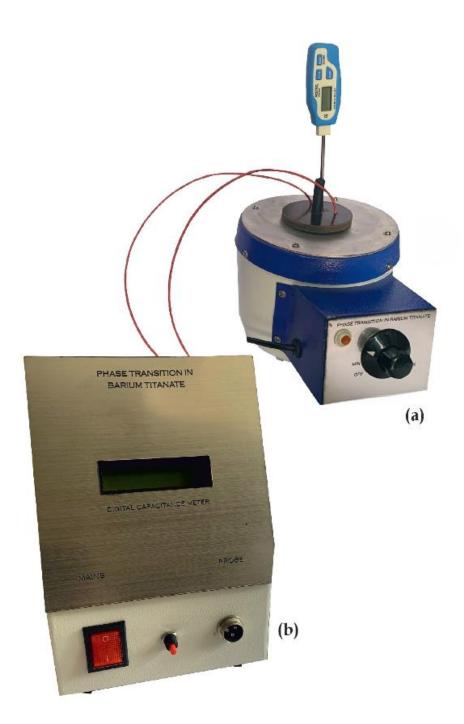


KMP-118

PHASE TRANSITION IN BARIUM TITANATE/ CURIE-WEISS LAW

Experiment(s):

- 1. Determination of ferro electric phase transition & verification of Curie-Weiss Law
- 2. Ferro electric phase transition in Barium Titanate



Experiment setup consists:

- a) Heater, thermometer and Parallel plate capacitor arrangement
- b) Capacitance meter

Specifications:

a) Heater, thermometer and Parallel plate capacitor arrangement

Heating mantel with

thermostat

Temperature: upto 200 °C Heating indication: Yes Sample: Barium Titanate Capacitance: Parallel plate capacitor with interchangeable

dielectric medium Thermometer: Digital battery operated Range: 300 °C

Resolution: 0.1 °C

b) Capacitance meter

Range 0 - 1000 pF Resolution: 1 pF

Mains Socket: 3 Pin with fused

protection

Rated Input: 220 V/50 Hz 110 V/60 Hz Power consumption: <30 W Cabinet: Acrylic body, aluminium bottom

Note: Specifications and Photos can be altered without prior notice in our constant efforts for improvement.



