

Department of Physics
Mahishadal Raj College
Mahishadal, Purba Medinipur

1. Set-up for the determination of Mechanical Equivalent of Heat, J, by Callender and Barne's constant flow method.
2. Set-up for the determination of Coefficient of Thermal Conductivity of Cu by Searle's Apparatus.
3. Set-up for the determination of the Coefficient of Thermal Conductivity of Cu by Angstrom's Method.
4. Set-up for the determination of Coefficient of Thermal Conductivity of a bad conductor by Lee and Charlton's disc method.
5. Set-up for the Measurement of susceptibility of paramagnetic solution (Quinck's Tube Method)
6. Set-up for the measurement of the Magnetic susceptibility of Solids.
7. Set-up for the determination of Coupling Coefficient of a piezoelectric crystal.
8. Set-up for the measurement of the Dielectric Constant of a dielectric Materials with frequency
9. Set-up for studying the BH curve of iron using a Solenoid.
10. Set-up for the measurement of resistivity of a semiconductor (Ge) crystal with temperature by four-probe method.
11. Set-up for the determination of the Hall coefficient of a semiconductor sample.
12. Electric Heater (with temperature controller) 1000 W, 1500 W
13. Electric Hot Plate 1500 W
14. Bread Board
15. SL100/ CL100 Transistor
16. IN4147/4148 diode
17. IC - 7432, 7408, 7404, 7400, 7402, 7476, 7410, 55C
18. Thermo-couple connector
19. Platinum Resistance Thermometer
20. Hypsometer for Pt. Resistance Thermometer