

Physics Lab Equipments & Experimental Setups

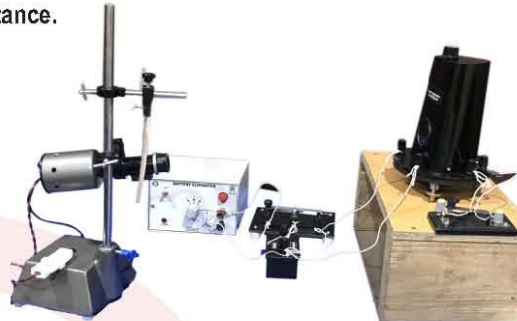
ME 849 - To study the variation of Magnetic Field due to a circular coil with distance along the Axis & Verification of Biot-Savart Law



Setup comprises of:

- Stewart and Gee's apparatus
- Power supply : 0-12V DC/1 Amps
- Compass Box
- Reversing key (commutator)
- DC Connecting Wire : 2 Meters

ME 850 - To determine the Ballistic Constant K of moving coil ballistic Galvanometer with a standard Capacitor of known Capacitance.



Setup comprises of :

- Moving coil ballistic galvanometer of suspended type with lamp and scale arrangement
- Capacitance : 0.47 μ F
- Battery Eliminator : 2-12V DC/2 Amps (ME 202)
- Mores key
- A tapping key
- DC connecting wire : 2 Meter

ME 851 - Determine The ECE of Copper using Tangent Galvanometer (Complete Setup)

Objective:

- This setup has been used to determine the electro-chemical equivalent of copper and reduction factor of a Tangent galvanometer.

Setup comprises of:

- Chemical balance
- Weight box
- Copper Test Plates
- Voltmeter
- Tangent galvanometer
- DC power supply 2V/1A +6V/1A
- Commutator and connection wires.

ME 852 - To determine the Wavelength of a Monochromatic source of Light with the help of Fresnel's Biprism.

Setup comprises of:

- Optical bench : 1.0 Meters (Full Shaper)
- Biprism : 50mm x 40mm with biprism moveable holder
- Adjustable slit
- Micrometer eye-piece : Least count 0.01mm
- Light Source : 35 Watt Sodium vapour lamp housed in powder coated Steel cabinet with Transformer & Stand
- Convex lens : Focal length 10cm (with lens holder)

