



**55961** Ballistic Galvanometer Setup illustrates fundamental information about electromagnetic induction. It concerns "how electric field affects magnetic field and also reveals the mechanism of current sensing devices". Ballistic Galvanometer Setup enables not only the detection of weak electric field but also measures it very precisely. Ballistic power supply is included with setup, in which we can generate very weak ambient electric field and can reveal this effect to the Ballistic Galvanometer as a detected deflection of coil. Lamp and scale arrangement is included for measurement of deflection.

### Features

1. Power Supply for Ballistic Galvanometer
2. Moving Coil with large Moment of Inertia
3. Flexible Phosphor-Bronze Ribbon Suspension
4. Highly Sensitive Coil
5. Lamp and Scale Arrangement with Adjustable Stand
6. Deflection Measurement Scale

### Object

1. Determination of Ballistic constant by steady deflection method
2. Determination of Charge sensitivity of Ballistic Galvanometer using capacitors
3. Comparing capacitance of two condensers using Ballistic Galvanometer
4. Study the logarithmic decrement for a Ballistic Galvanometer

### Technical Specifications

#### Ballistic Galvanometer

Suspension Wire	:	Phosphor Bronze
Reflector	:	Concave Mirror
Coil Resistance	:	100W

#### Lamp & Scale

Lamp	:	Laser Light Source
Scale	:	30-0-30cm

#### Ballistic Galvanometer Power Supply

Supply Voltage	:	6V DC
Potentiometer	:	5k
Mains Supply	:	90-275V, 50Hz
Fuse	:	0.5A
Resolution	:	1mA
Open Circuit Voltage	:	18V
Power Supply	:	230V AC, 50Hz

Note: Specifications are subject to change.