

IV-E634 Measurement Of Field Strength B And Its Variation In A Solenoid (DB\DX)



Experiment:

- MEASUREMENT OF FIELD STRENGTH B AND ITS VARIATION IN A SOLENOID (DB/DX)

Apparatus Supply:

1. **SOLENOID** - Made of soft iron, specially design for DB/DX experiments, mounted on a wooden base for stable performance, Pole piece: 50mm dia, tapered type Field: 2kg. Energizing Coil: coil with total resistance of 9 ohms (approx).
 2. **DIGITAL POWER SUPPLY FOR Solenoid** - 0-3Amp, 30V digital display, it is a constant current power supply, with long time operation and continuously variable current.
 3. **DIGITAL GAUSS METER** - Range: 0-2 K Gauss & 0-200 Gauss, Resolution: 1 Gauss at 0-2 K Gauss Range, Accuracy: $\pm 0.5\%$, Display: 3 ½ Digit, 7 Segment LED, Power: 220V, 50Hz Special Feature: Indicates the direction of the Magnetic field.
- Gauss Probe

Scope of Supply:

- SOLENOID
- DIGITAL POWER SUPPLY 0-30V / 3A
- DIGITAL GAUSS METER 200/2K Gauss