

Physics Workshop

Internal Resistance

1. Follow the instructions in the Technical Notes – using the board without a computer.
2. Draw a graph of voltage against current. Leave plenty of room on the current axis so that maximum current values for the cell can be obtained.
3. Determine the emf, internal resistance and maximum current for each cell.

Apparatus Supplied

Internal Resistance Board

Ammeter (S)

Voltmeter (S)

Graph paper

4mm leads