

1. E-Field Demonstrator

E-field detector showing position, polarity and strength of field lines in a demo capacitor or charged plates.

Code
MAG1416

Pack
Each

Price
£91.25

2. Digital Coulomb Meter

The display shows the number of Coulombs deposited into the instrument, either by current through a resistance or from a capacitor, or from a source of static electricity. Displays up to 199nC, accuracy $\pm 10\text{nC}$.

Code
231-037

Pack
Each

Price
£49.32

3. IPC Irwin Coulomb Meter

For charge detection and measurement. Useful for a wide range of experimental applications including charging by induction, Faraday's ice pails, Coulomb's law and capacitance of an isolated sphere. The liquid crystal display has 13mm high digits with a wide field of view unobscured by trailing leads. The unit is exceptionally easy to read. Two colour coded 4mm sockets are located on the sides for maximum convenience and anti-slip feet are fitted to the base. Low operating current gives expected battery life in excess of 500 hours. Housed in a robust, ABS plastic case. Supplied with charge plate, battery and instructions.

Code
EL10412

Pack
Each

Price
£61.37

4. Electroscope

The 'Malvern' dual purpose gold leaf electroscope has a metal plate to which a single gold leaf may be attached and is supported by an insulating bush in a metal case with 4mm socket earthing terminal. A scale is provided for measuring the deflection of the leaf.

Code
PH0916B

Pack
Each

Price
£19.26

5. Newton/Coulomb's Law Kit

From simple measurements (mass, length, angle), the apparatus allows users to approach several concepts of physics.

This apparatus can be used with a Wimshurst machine or a Van de Graaff generator.

Contents:

- 1 foldable apparatus
- 2 conducting spheres tied to a conducting wire
- 2 conducting spheres tied to an insulating wire
- Accessories to build an electrostatic bell

Code
PY1334

Pack
Each

Price
£135.40

