

G GLASS TUBE (ROD)

Glass tube 300 x 13 mm length x diam. with both ends closed and rounded, for producing electrostatic charge by rubbing
P45015

**H EBONITE ROD**

Polished, 300 x 13 mm length x diam.
P45020

**I POLYTHENE ROD**

300 x 13 mm length x diam
P45025

**J PERSPEX ROD**

300 x 13 mm length x diam.
P45030

**K FRICTION ROD, COMPOUND**

Half glass half brass, 300 x 13 mm length x diam
P45032

**POLYTHENE STRIP**

250 x 25 x 1.5 mm length x width x thickness
P45038

L FLANNEL RUBBER

250 mm square
P45040

**M WOOLLEN RUBBER**

250 mm square
P45042

N SILK (VISCOSE) RUBBER

300 mm square
P45045



A POLYTHENE TILE

75x 75x4.5 mm

P45050**PERSPEX SHEET**

Clear, 300 x 300 x 3 mm for insulating & dielectric purposes.

P45055**B NYLON THREAD**

Mono-filament

P45058**C PITH BALLS**

Polystyrene, diam 10 mm., pack of 10.

P45062**D VAN DE GRAAFF GENERATOR, HAND DRIVEN**

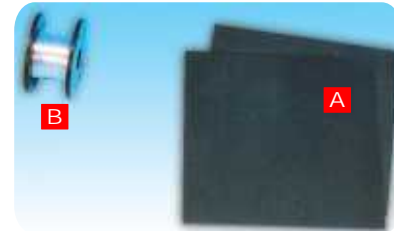
For production of high voltage static electricity, self-exciting, with insulating perspex stand, rubber belt, removable metal dome, mounted on wood base, with a driving wheel and driving belt. The discharge sphere is mounted on a pivoted arm with handle for adjustment and is attached to driving wheel support. With a 4 mm socket at top of the dome and a 4 mm earth socket in the hand wheel support. Supplied with discharging sphere, but without accessories.

P45080**E VAN DE GRAAFF GENERATOR, MOTOR DRIVEN**

As above but driven by an electric motor working on 220-240V mains, with a separate discharging sphere mounted on rod.

P45090**F SET OF ACCESSORIES FOR VAN DE GRAAFF GENERATOR**

Each with 4 mm plug to fit top of dome

P45095/1 Point discharger**P45095/2** Head of hair**P45095/3** Electric whirl**P45095/4** Neon bulb**P45095/5** Faraday's pail**P45095/6** Prespex pillar with metallised sphere**P45095/7** Prespex cylinder 150x50 mm with metal caps and 4 metallised spheres



G WIMSHURST MACHINE

Traditional electrostatic generator consists of two 250 mm diam. discs with radial aluminium segments driven in opposite directions by hand wheel and belt, with two leyden jars, on wooden base.

P45120



H ELECTRIC WHIRL

On stand, with insulated base

P45126



I PROOF PLANE

20 mm diam. metal disc with insulating handle.

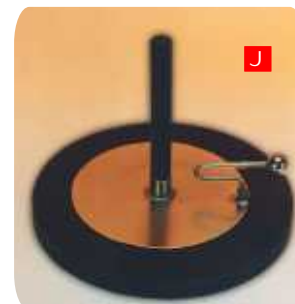
P45129



J ELECTROPHORUS

Plated metal disc 50 mm diam. mounted on 90 mm long handle, with a plastic base

P45135



K CONDUCTOR

Plated brass, each conductor on insulated stand

P45145

Sphere

P45147

Pointed cone with rounded narrow end

P45150

Cylinder, with rounded ends



L BIOT'S APPARATUS

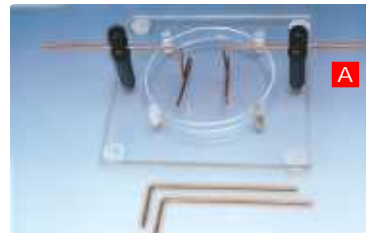
A spherical conductor on insulating stand with two hollow hemi-spheres, each with insulated handle, to show that electrostatic charge resides on outer surface.

P45165



A ELECTRIC FIELD APPARATUS

For visual demonstration of electric fields. A transparent plastic base supports a glass dish 90 mm diam and two 4 mm socket terminals mounted on two insulated pillars, with two wire point electrodes and two T-shaped electrodes.

P45175**B ICE PAILS, FARADAY**

Aluminium, set of four nesting cylinders, largest of size 125 x 140 mm diam x ht. The smaller pails are fitted with insulated feet

P45180**C BUTTERFLY NET, FARADAY**

Net with cord, on insulated pillar on a metal tripod base, to show electric charge resides on outer surface of a conductor

P45183**D AEPINUS AIR CONDENSER**

Two circular plates of 100 mm diam are carried on a pair of insulated pillars. The gap is adjustable. A support for interposing sheet of dielectric material is provided, on an insulated base. The terminals are provided with 4 mm sockets for connection and additional vertical sockets to carry a pair of suspended cork balls (supplied with the apparatus).

P45194**E AEPINUS AIR CONDENSER**

Two rigid PVC plates, each with a terminal and metal foil sheets attached, on support mounted on a slider. The supports are designed so that the plates may be set either at right angles or parallel to the slideways to show the effects of varying the separation or varying the effective area respectively. The slideway consists of a double horizontal rod bent at one end to fit a cast base & shaped at the other to form a stable foot.

P45195**F LEYDEN JAR**

With removable internal and external metal vessels and a middle plastic one. A metal sphere is fitted to the inner vessel by a brass rod

P45208

G DISCHARGER

Two small plated brass spheres mounted on jointed arms, with insulated handle.

P45212

**H ELECTROSCOPE, PITH BALL**

A pair of light weight balls are suspended from a rod on insulated base.

P45241

**I ELECTROSCOPE, SIMPLE**

Flask type, conical flask with rubber stopper which holds a metal rod with disc top & lower flat end to which a leaf may be pasted. Supplied with two leaves and instructions for fitting.

P45246

**J GOLD LEAF ELECTROSCOPE**

In rectangular cast metal case, with removable glass window and fitted with 4 mm earthing socket. A metal disc passes through an insulating polythene bush and ends in a flat support for "gold leaf". with a transparent scale to show quantum of deflection. With a supply of leaves and instructions for fitting.

P45250

**K GOLD LEAF ELECTROSCOPE**

As above, but made of sheet metal.

P45255

**GOLD LEAVES**

For electroscope, spare, pack of 6.

P45257

L BRAUN ELECTROMETER

As P45250, but with a pivoted aluminium pointer moving over the scale. eliminates problem of breaking of leaves and their refixing.

P45260

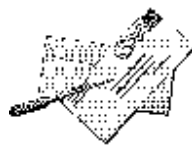


A ELECTROSTATIC KIT

Comprising one electroscope P45250, one packet of metal leaves, 4 metallised spheres, 1 reel of nylon thread, two polythene plates 75 x 75 mm, one electrophorus plate with insulating handle, 1 proof plane, two aluminium cans, one cellulose acetate strip, 1 polythene strip, one stirrup for suspending strips, one flannel rubber, one wire hook and instructions

P45272

COMPLETE SOURCE OF
SCIENTIFIC AND LABORATORY EQUIPMENT

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