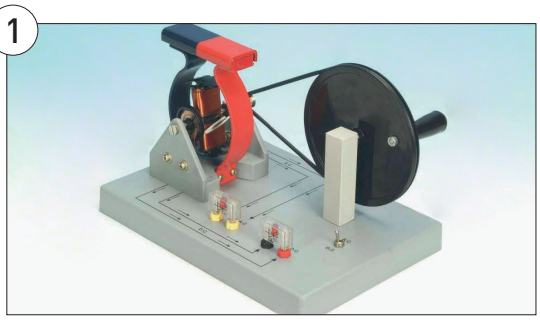
1

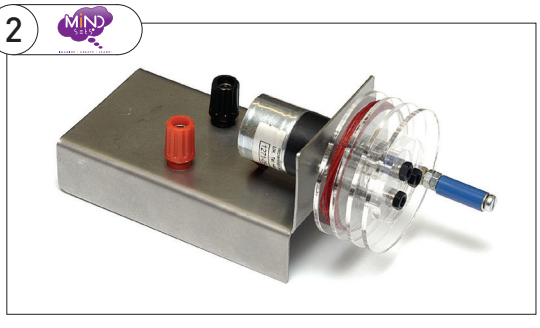


1. Demonstration Motor AC/DC

Produces both AC and DC current when the hand wheel is turned. The generation of AC/DC voltage is represented by LEDs.

Code	Pack	Price
231-032	Each	£33.33

2



2. Motor/Generator Unit

This unit can be used for a variety of purposes to illustrate energy transfers: it can be used to lift a mass or stretch a bungee cord, and to generate an electrical current when the mass falls again or the bungee cord is released. It can also be turned by hand to generate a current. The motor/generator (6 – 9V) is mounted on a robust metal base, and the gearing of the unit and the sizes of the pulleys have been chosen to enable a variety of qualitative and quantitative experiments to be undertaken.

Code	Pack	Price
SESEP074	Each	£57.55

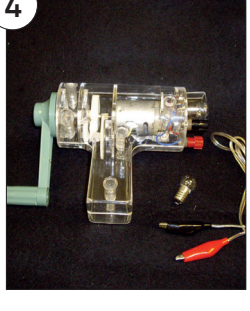
3

3. Bicycle Dynamo

For demonstrating the use of a dynamo in lighting a lamp. This apparatus has a cycle dynamo mounted on a base connected with an MES lamp holder and 2.5V bulb. 220 x 115 x 105mm high.

Code	Pack	Price
BDYNAMN	Each	£33.68

4

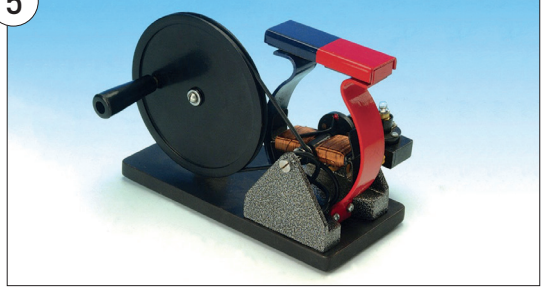


4. Hand Generator

A simple and robust DC hand generator. Output is via 4mm sockets, or the crocodile leads (also included).

Code	Pack	Price
PY1042	Each	£46.01

5



5. Demonstration Dynamo

This model uses the same basic assembly as the EDU727N demonstration electric motor except it is mounted on a base plate approx. 230 x 90mm which also carries a hand-drive pulley of 120mm Ø. It is coupled to the smaller dynamo pulley by a rubber belt to give a step-up ratio. Electrical output is via a pair of 4mm sockets and a lamp is provided as a simple output indicator. The model may also be used as a motor on 6-8V DC supply.

Code	Pack	Price
EDU728	Each	£26.84

6

6. Lenz's Law - Open & Closed Loop

This kit teaches Faraday's law of induction as well as Lenz's law. Show how passing a magnet through a complete loop causes the device to move. No movement at all occurs when using the split loop.

Code	Pack	Price
221-005	Each	£16.00