

1. Conductometer

To demonstrate relative thermal conductivity of brass, copper, nickel, aluminium and iron. A rod of each metal is radially spaced equally on a brass hub. Each of the rods has a cavity at the outer end for holding paraffin wax. Using the wooden handle, hold the brass hub over a flame, the wax will melt at different rates.

Code PH0377	Pack Each	Price £7.20
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2. Ingenhausz Conductivity Apparatus

Five metal rods, one of each aluminium, brass, copper, lead and iron, embedded along one side of a metal tank, size 150 x 90 x 100mm. Rates of melting compared by placing wax on end of rods, therefore giving rates of conductivity in the different materials.

Code EDU174	Pack Each	Price £65.38
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3. Thermal Conductivity Bars

The durable liquid crystal strips embedded in the bars show how a red zone of 40°C moves up the bars. The colours give a dramatic view of conduction. The marked difference in temperature gradients in the bars is also visible. Conduction of heat leaving the metal is shown via immersing the heated bars in cold water. The tops of the bars are designed to be touched with a fingertip to reinforce the colour observations.

Code PY2350	Pack Each	Price £44.00
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4. IPC Irwin Radiation Heater

The Irwin radiant heat source is a compact and safe heat source for school heat radiation experiments. It comprises a base and cage containing a custom made infra-red heating lamp of the dull emitter type. This means that it is impossible for a pupil to get an electric shock by prodding it with a paper clip etc.

Please note: the unit can take up to half an hour to reach maximum temperature and so this time lag should be taken into account when planning lessons. However, some experiments require more heat and so the cowl may be removed by unscrewing the four retaining screws. If this is done, the pupils should be warned of the dangers.

- Manufactured in the UK

Dimensions:

- Height: 215mm
- Width: 150mm
- Depth: 150mm
- Weight: 1.5kg

Code PY1324	Pack Each	Price £104.24
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5. Crookes Radiometer

Crookes radiometer apparatus mounted on a sturdy plastic moulded base. Comprised on an evacuated glass bulb with black and white veins. Each vein has a blackened side and the reverse side is bright. 70mm diameter at the widest point, containing a fine pivot which supports four light weight metal arms. Apparatus stands 7" tall.

Code PHY1012	Pack Each	Price £11.00
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