1



1. Conductivity Rods

Rods are 300mm long x 3mm Ø. Used for thermal conductivity experiments.

Code	Description	Pack	Price
CONRD	Aluminium	3	**£5.94**
CONDFE	Iron	3	**£1.49**
CON6020	Copper	10	**£13.63**
PH0397E	Brass	10	**£10.91**
PH0397	Iron, copper, aluminium	3	**£2.61**
PH0397GN	Brass, copper, aluminium, iron, lead, zinc	6	**£3.36**

2

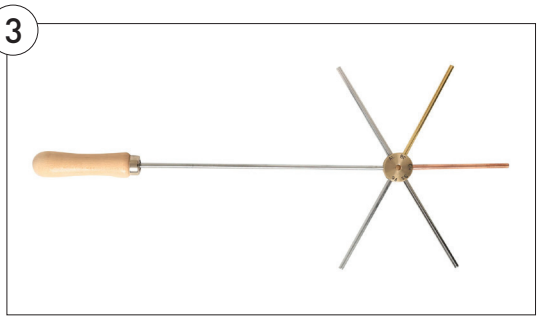


2. Conductivity of Metal Apparatus

Strips of copper, brass, steel and aluminium mounted on a wooden ring and meeting in the centre. Gentle heating with a tea light at the centre melts wax or petroleum jelly placed in the hollows at the end of each strip. Rates of conductivity in the different metals can be compared by the difference in time taken for each cup of wax to melt.

Code	Pack	Price
EDU083	Each	**£5.82**

3



3. 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 candle flame, the wax will melt at different rates.

Code	Pack	Price
PH0377	Each	**£6.75**

4

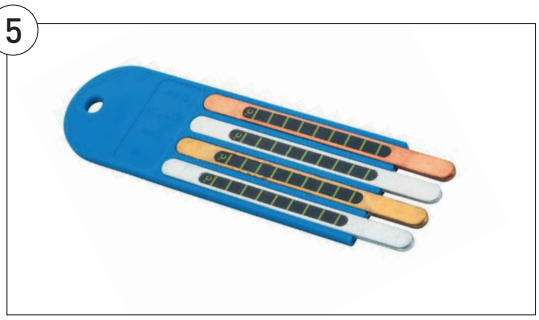


4. Ingenhausz Conductivity Apparatus

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	Pack	Price
EDU174	Each	**£41.96**

5



5. 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	Pack	Price
PY2350	Each	**£32.04**