

1



1. Immersion Heater

This fully sheathed miniature heater is designed for use with metal block calorimeters. It has a heating element enclosed in a stainless steel tube with two flying leads, having heat resistant insulation, coming out of the sealed tube body for electrical connections. Operates on 12 volts and rated 48 watts. Dimensions: 100 x 12mm (l x Ø).

Code	Pack	Price
EDU1007N	Each	£25.52

2



2. Heat Absorption & Radiation Comparator

The apparatus allows demonstration for comparing heat absorption & radiation between dull and black bodies. Comprises a 12V bulb which acts as a heat source and 2 parabolic metal bodies, one finished in black and one in shiny metal. These bodies have 2 thermometer holders attached for temperature readings. Instructions included. Thermometers not included.

Code	Pack	Price
211-011	Each	£30.45

3. Infra Red Heat Lamp Bulb, E27 Screw Fitting, 60W

Infrared heat lamp produces heat waves to keep areas warm. The special filament inside the red lamp produces heat waves which transmit through the red glass of the bulb. 60W, non dimmable, CE, 2000 hour life expectancy.

This is a screw fitting fixture.

Code	Pack	Price
OP1306	Each	£11.03

4. Conductivity Rods

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

Code	Description	Pack	Price
CONRD	Aluminium	3	£6.13
CONCU	Copper	3	£2.21
CONDFE	Iron	3	£1.53
PH0397E	Brass	10	£14.00
PH0397	Iron, copper, aluminium	3	£4.48
PH0397GN	Brass, copper, aluminium, iron, lead, zinc	6	£8.98

5. 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	£8.38

3



4



5

