1. Lascells Leslie's Radiation Plate

This apparatus allows the demonstration of the dramatic differences in radiated heat from various surfaces. Being electrically heated it is more convenient than some of the more conventional methods involving water or Bunsen flames. The apparatus contains a single aluminium plate divided into 3 different regions: a matt black section, a polished aluminium section and a roughened aluminium section. The plate is heated using a resistive element, ensuring that each section is at the same temperature. Readings of each surface may then be taken using an infra-red thermometer (not supplied). Connection to power supply is via 4mm sockets. The plate requires an adjustable 12V D.C. power supply capable of providing 1A continuously.

Code	Pack	Price
PY1076	Each	£50.40

1



2. Hero's Engine

A functional glass model of the earliest form of steam turbine. Comprising a borosilicate glass bulb 70mm Ø approx., with side arms bent at right angles and formed into jets at their tips.

This is for demonstration purpose only and must be used behind two safety screens, one to protect the students and one to protect the teacher, safety goggles must also be worn and a relevant risk assessment should be carried out as it normally would with other experiments.

Code	Pack	Price
PHY1118	Each	£13.60

2



3. Ice Melting Plates

Kit comprises of two plates made of different materials. One of thermal conducting material and the other of thermal insulating material. Place ice on both plates and watch one melt faster than the other.

Code	Pack	Price
PY2002	Each	£16.92

3

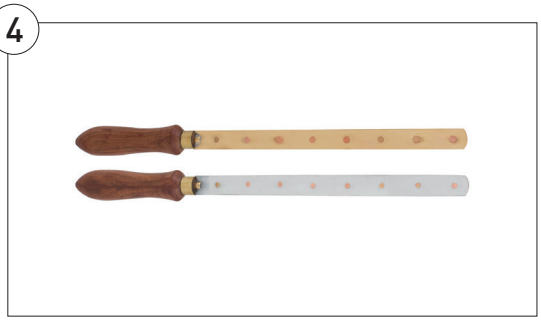


4. Bimetallic Strip

For demonstrating the differential expansion of two metals by the curvature produced when the strip is heated in a flame. Comprises a 200 x 15mm strip of brass and steel riveted together with heat resistant rivets and mounted in a well finished wooden handle.

Code	Pack	Price
BIMET	Each	£2.43

4



5. Compound Cylinder

Cylindrical brass tube flush-jointed with a wooden cylinder. 200mm x 30mm Ø.

Code	Pack	Price
PH0405	Each	£5.64

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