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PREMIUM

1. 3B Vibration Generator

Vibration generator for exciting oscillating and waves mechanically, e.g. in coil springs, a rubber cord, a wire ring or a Chladni plate. In robust plastic housing including mounting pin with 4mm socket for attaching accessories (Chladni plates, resonance wire, rubber band etc.). Including holder for stand rod (up to 8mm Ø) on the rear side of the apparatus for the demonstration of standing waves in a coil spring. The generator is equipped with overload protection and is driven by a loudspeaker for smooth oscillations and fine travel stepping.

Specifications:

- Connection: via 4mm safety sockets
- Impedance: 8Ω
- Maximum amplitude: 5mm
- Frequency range: 0 up to 20kHz
- Minimum operating current: 10mA
- Overload protection: 1A fuse
- Dimensions: approx. 200 x 160 x 70mm
- Weight: approx. 1.4kg

Code	Pack	Price
SE1000701	Each	£222.59

Band for 3B Vibration Generator

For demonstrating stationary waves and wave propagation e.g. using the vibration generator. Wound on a board, 25m, 2mm Ø.

Code	Pack	Price
SE1000702	Each	£14.36

Chladni Plates for Vibration Generator

Steel metal plates for generating acoustically excited figures in media such as fine dry sand as in the experiment by Chladni. To be used in conjunction with 3B Scientific vibration generator. Includes 4mm plug screwed into central hole of plate. Available in square or circular shapes.

Code	Description	Dims, mm	Pack	Price
SE1000706	Square plates	180 x 180	Each	£37.43
SE1000705	Circular plate	240	Each	£37.43

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ECONOMY

2. Ripple Tank

The ripple tank unit consists of a tough moulded frame with an acrylic window. The ripple tank light source is a 12 volt halogen lamp (requires external power supply) which gives excellent illumination.

The ripple tank system comes complete with:

- Ripple tank 40 x 40cm
- Aluminium push fit legs
- Ripple motor, eccentric cam mounted on ripple bar
- 3 x supports for supporting the light source and motor unit
- Motor support springs
- Motor hanging clamps
- Lamp unit halogen 12 volts
- Hand stroboscope
- Concave Perspex plate
- Convex Perspex plate
- Rectangular Perspex plate
- Curved reflector
- 2 x barriers, large and small
- Roller bar
- Supplied in foam packing for safe transport

Code	Pack	Price
EDU044	Each	£82.37