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ECONOMY

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PSU
Base.co.uk



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1. Ripple Tank

The ripple tank unit consists of a tough moulded frame with a large transparent viewing surface. The ripple tank light source is a 12 volt halogen lamp (requires external power supply) which gives excellent illumination. The tank has sloping sides which minimises interference.

The ripple tank system comes complete with:

- Ripple tank
- 4 aluminium push fit legs
- Ripple motor, eccentric cam mounted on ripple bar
- 3 support pillars for supporting the light source and rippler bar
- 2 motor support springs
- Lamp unit with adjustable arm
- 2 rippler bar hanging hooks
- Power source for ripple tank
- Hand stroboscope
- Concave Perspex plate
- Rectangular Perspex plate
- Curved reflector
- 2 barriers
- Roller bar
- Supplied in a well presented case with compartments for components

Code	Pack	Price
EDU044	Each	£83.93

2. PSU Base Ripple Tank

The ripple tank is a shallow glass tank of water used to demonstrate the basic properties of waves. It is illuminated from above so the light shines through the water. The water's ripples show up as shadows on the screen underneath the tank, providing a clear visual depiction of light, electromagnetic waves and sounds, reflection, refraction, interference and diffraction.

Code	Pack	Price
EDU2122	Each	£431.03

3. Optika Ripple Tank

Optika ripple tank is simple to assemble, easy to use, produces reliable and repeatable results, and has excellent visual resolution of the wave front.

The stroboscopic lamp is fitted with an extra-bright 3W LED, which is synchronised with the surface-wave generator. The control unit is equipped with a digital display and allows to set or to stop the synchronism of the vibrator with the lamp, the modulation of wave amplitude and its frequency. The vibrator is electro-dynamic type. The tank is provided with two adjustable feet and with an easy-to-use drain pipe ending with a tap.

Some experiments that can be carried out:

- Superficial waves on water
- Wavefront
- Wavelength
- Propagation speed
- Reflection
- Refraction
- Interference
- Stationary waves
- Diffraction
- Huygens principle

Code	Pack	Price
EDU2128	Each	£589.55