

Product Name :
Ripple Tank Dual Purpose**Product Code :**
ALABS-A133-010**Description :****Ripple Tank Dual Purpose**

The apparatus consists of a framed tray with a plexi glass base and detachable legs, overall size of tray 600 x 520 x 56 mm deep. A pair of support rods with integral 'G' clamps is provided which can be attached to the sides of the tank and used to carry the wave generating system. A set of 4 metal barriers (reflectors) is included consisting of a pair of straight barriers 150 x 25 mm, a curved barrier of 215mm chord length x 25mm high and a short, straight barrier of 25 x 25 mm. To minimize unwanted reflections from the sides of the tank a set of four loose gauze strips are provided which when in use are arranged around the edges to form a 'beach' on all sides. The ripples are produced by a small 1.5 to 4.5V D.C. electric motor mounted at the centre of a waxed wooden wave generator bar with a row of holes to mount the spherical dipper supplied. It is recommended that the power supply unit is used as this has been specially designed for use with the ripple tank. It has continuously variable D.C. Output so that the speed of the motor and hence the frequency of the ripples may be varied. One white card sheet may be placed on the floor underneath the tank as a screen to receive the wave pattern shadows.

Tank can be used with an overhead projector.

The full set of apparatus comprises:

Ripple tank 300x300x35mm deep

Gantry complete with beam 4.5V DC motor fittings

Screw in legs for bench mounting.

Illuminant support rod.

Spherical dippers

Glass plate and spacers for refraction

Dropper

Suspension bands



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