



THE LAB EQUIPMENT

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**Product Name :**

Apparatus for demonstrating the phenomenon of wave propagation and reflection

**Product Code :**

SCL-697/049



**Description :**

Principle

- Water waves are generated by a mechanical oscillator.
- A circular wave pattern is used to investigate the dependency of the wave length on the oscillator's frequency and to demonstrate the Doppler effect.
- With the aid of plane waves the dependency of the waves' velocity of propagation on the depth of the water can be investigated.
- Moreover, the reflection of waves as well as the refraction of waves can be illustrated at objects such as a plate, a prism, a concave lens and at a convex lens.

Description :-

- It consists of a water tank, where through two forks the waves are excited on the surface of the water at two points, a concave lens, one concave in shape, a small diffraction barrier, two Jung cracks, a base camera.