



## **RESONANCE APPARATUS – glass column**

Cat: SW3030-001

### **GENERAL DESCRIPTION:**

The IEC Resonance apparatus is designed to perform standard experiments relating to resonance in air. The unit consists of a glass tube and a water reservoir and rubber hose to join the two.

### **SW3030-001**



**Physical size:**

**Weight: kg**

**NOTE: Only the glass tube, the glass reservoir and the rubber hose is supplied. The stand and supports shown in the picture are not included in the kit.**

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**COMPONENT PARTS ARE:**

- 1 pce. Glass tube, with tail to accept the rubber hose.
- 1 pce. Glass water reservoir with tail to accept the rubber hose.
- 1 pce. Rubber hose to join the glass components.

**OPERATION:**

Using a retort stand and retort ring and retort clamp, support the glass components as shown in the picture.

The glass reservoir is partly filled with water so that the water in the glass tube can be adjusted for height as the reservoir is raised and lowered up and down.

A metric scale is required to measure the length of the air column above the water in the glass tube.

The tuning fork (not supplied) can be used and held very close to the mouth of the tube to agitate the air column. As the air column length is altered, the points of resonance are heard by placing your ear close to the mouth of the glass tube.

At the resonant points, the sound becomes louder.

Refer to the physics text books for the experiments to be performed.

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