



## **BUCKET & CUBE - Archimedes'**

**MF0390-001 (plastic bucket & metal cube)**

### **DESCRIPTION:**

The IEC **Archimedes Bucket & Cube** is a more modern style consisting of a strong plastic bucket moulded from polypropylene with a small handle which carries an accurate cube of brass. Old models used to be the brass 'Bucket & Cylinder'.

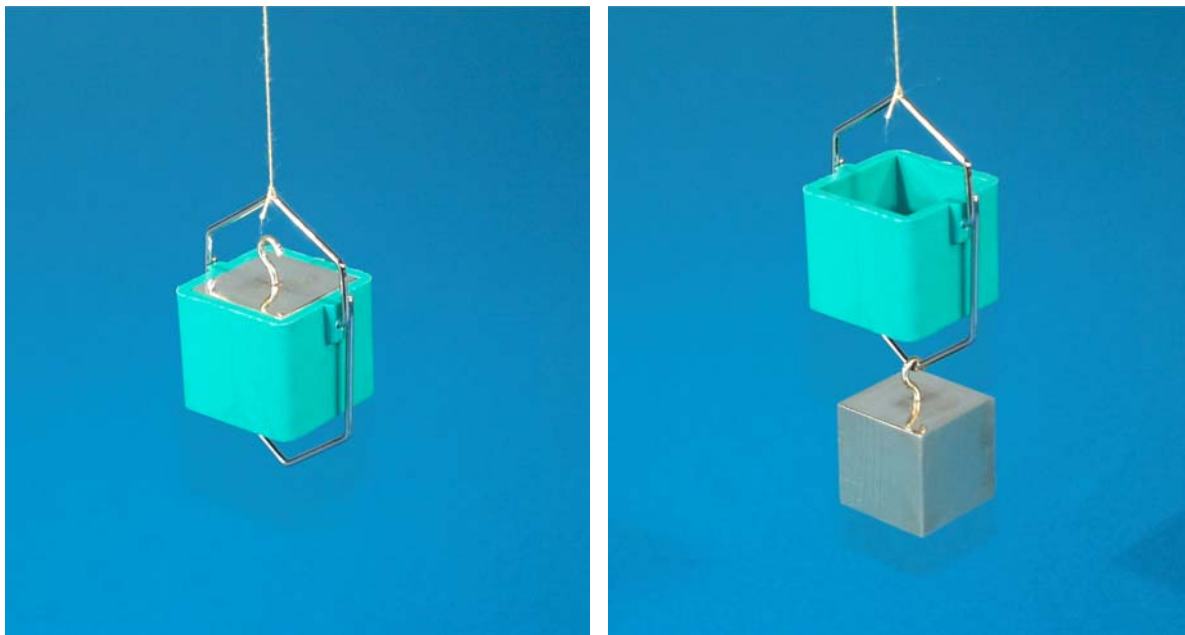
The bucket and block are weighed together and the block is hung from the underside of the bucket so that the block can be immersed into water while weighing the assembly.

It is found that there is an apparent loss of weight, but when the bucket is filled exactly to the brim with water, the system reverts to the exact original weight.

This proves that the apparent loss of weight during flotation or immersion is equal to the weight of water displaced by the floating item.

**NOTE: The plastic bucket is not affected by solvents, so almost any liquid can be used for experiments and to show the difference in densities of various liquids.**

### **MF0390-001 Archimedes bucket & cube**



**Physical size:** small bag....      **Weight:** 0.1 kg

**Equivalent to the old style brass models but larger, more modern and easier to use.**

**Designed and manufactured in Australia**