



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

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

### **DESCRIPTION:**

A more modern application of Archimedes' principle, consisting of a plastic bucket, moulded from strong polypropylene with a small handle which carries a cube of brass of accurate dimensions.

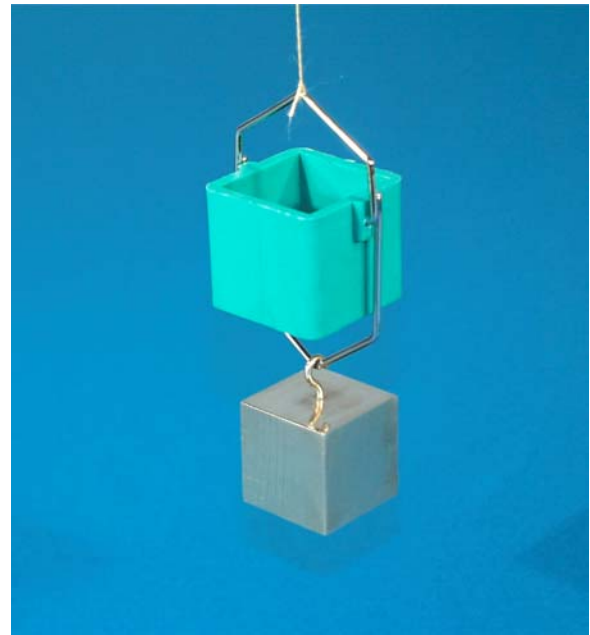
The bucket and block are weighed together and the block is hung from the underside of the bucket so that the block can be immersed into water while weighing the assembly.

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**



**Physical size:**

**LxWxD**

**Weight: kg**

Designed and manufactured in Australia by Industrial Equipment and Control Pty Ltd

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