Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Bucket & Cylinder

Product Code :

SLE/PHY/140



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Description :

Bucket & Cylinder (Product Code: SLE/PHY/140) is a brass apparatus used to verify Archimedes' principle, showing that the upthrust on a submerged cylinder equals the weight of liquid it displaces, in school and college physics labs. The cylinder hooks beneath the bucket, and the unit, listed at 60 mm with an overall size of 160 mm, suits both teacher demonstrations and individual student work. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of physics lab equipment in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Material	Brass (simple brass unit)
Size (as listed)	60 mm; overall 160 mm
Bucket fittings	Suspension loop at the top, hook at the bottom
Cylinder fitting	Suspension hook at one end
Use	Class demonstration or individual use
Demonstrates	Archimedes' principle
Product code	SLE/PHY/140
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is a Bucket and Cylinder Apparatus Used For?

Students record three readings. First, the bucket hangs from a spring balance by its top loop with the cylinder on the bottom hook, in air. Second, the cylinder alone is lowered fully into water and the lower reading is noted. Third, the empty bucket is filled with water while the cylinder stays submerged, and the balance returns to the first reading.

Because the solid cylinder and the inside of the bucket hold the same volume in this type of apparatus, the water added to the bucket weighs exactly as much as the upthrust lost in step two. It is a low-cost addition to physics lab instruments in India for the fluids topic. Wipe the brass dry after each class and hang the parts by their hooks so the loop and hooks keep their shape.

What to Specify When Ordering

- The product code SLE/PHY/140, since other bucket and cylinder sizes are also listed on the site.
- How many sets you need: one for a teacher demonstration or one per student group for individual use.
- Whether spring balances or measuring cylinders should be quoted with the sets.

OEM Manufacturer

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