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Product Name :

Guinea & Feather Apparatus

Product Code :

SLE/PHY/183



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Description :

Guinea & Feather Apparatus (Product Code: SLE/PHY/183) is a glass-tube physics demonstration kit used to show that objects fall at the same rate in a vacuum, regardless of weight, in school and college classes. It consists of a 16 mm diameter glass tube 50 cm long, two rubber bungs and a 40 cm length of tube for connecting a vacuum pump. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Tube	Glass, 16 mm diameter, 50 cm long
Stoppers	Two rubber bungs
Pump connection	40 cm length of tube for connection to a vacuum pump
Demonstrates	Objects of different weight fall at the same rate in a vacuum
Extension study	Timing the fall of paper at different air pressures in the tube
Product code	SLE/PHY/183
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Guinea and Feather Tube Used For?

Two objects with different weight and air resistance — for example a small mass and a feather or a piece of paper — are placed at the foot of the tube. After the air is pumped out, the tube is inverted and both objects drop back to the bottom together. Let the air back in, repeat, and the feather or paper trails behind, showing that air resistance, not weight, caused the difference.

For a deeper investigation, students can time the fall of a piece of paper at several different air pressures inside the tube and judge how air resistance changes the acceleration of an object under gravity. Check that both bungs are seated firmly and the connecting tube is airtight before pumping, invert the tube smoothly, and wear eye protection when working with glass under vacuum.

What to Specify When Ordering

- Whether a hand or electric vacuum pump should be quoted with the tube.
- Whether you need falling objects supplied or will use your own feather, paper and small mass — ask us to confirm.
- Number of apparatus sets, for teacher demonstration or group work.
- Any stopwatches needed for the timed air-pressure study.

OEM Manufacturer

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