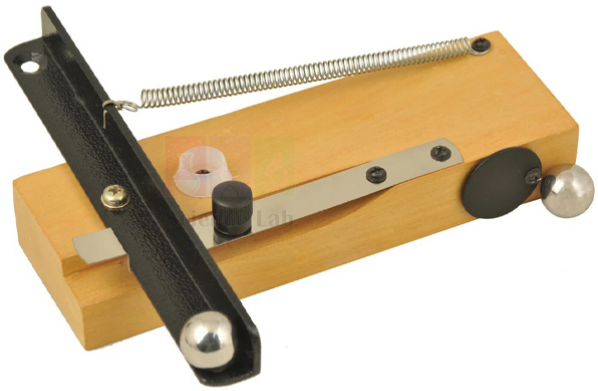
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Product Name :

Apparatus Falling Bodies (Projectile)

Product Code :

SLE/PHY/10



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Description :

Apparatus Falling Bodies (Projectile) (Product Code: SLE/PHY/10) is a spring-release demonstration block used to show that the horizontal and vertical motions of a projectile are independent in school and college physics labs. One press of the trigger catch drops one steel ball straight down and projects a second sideways, and both strike the floor at the same instant. This compact projectile motion kit for school classrooms is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of mechanics lab equipment in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Demonstrates	Independence of horizontal and vertical motion
Body	Wooden block, approx. 190 x 58 x 30 mm
Launch mechanism	Pivoted L-section, spring-loaded metal launching bar with a trigger catch
Projectiles	2 steel balls
Storage	Recess in the block to hold the steel balls
Result on release	One ball drops vertically, the other is projected horizontally; bothhit the floor at the same time
Product code	SLE/PHY/10
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Falling Bodies Projectile Apparatus Used For?

Many students expect a ball fired sideways to stay in the air longer than one that is simply let go. This apparatus tests that idea directly: set the block at the edge of a level bench, place the two steel balls in position and release the trigger catch. The launching bar swings, one ball falls straight down while the other flies out horizontally, and the class hears a single sound as both land together.

The lesson is that gravity gives both balls the same downward acceleration whatever their sideways speed, so the horizontal motion does not change the time of fall. Run it over a hard floor so the landings are easy to hear, keep the landing zone clear, and return the balls to the recess in the block after use. It fits naturally into mechanics lab equipment for secondary and senior-secondary projectile lessons.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the OEM (original equip
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so qu ust

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