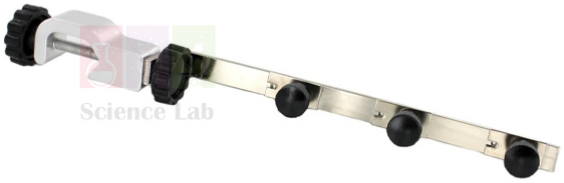
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Pendulum Clamp

Product Code :

SLE/CH/10



Science Lab

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

Description :

Pendulum Clamp (Product Code: SLE/CH/10) is a sturdy stand-mounted holder with an all-steel bracket from which up to 3 pendulums can hang at the same time without wobbling. Each pendulum holder has its own knurled thumbscrew and locking device, so the cord of one pendulum can be lengthened or shortened without disturbing the others. The bracket fixes to a support rod through a rod clamp tightened with a large knurled knob. Made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, it turns an ordinary retort stand into simple pendulum apparatus for school and college physics and general science labs.

Specifications

Parameter	Detail
Bracket	All steel, sturdy, holds pendulums without wobbling
Capacity	Up to 3 pendulums suspended at one time
Pendulum holders	Each with its own knurled thumbscrew and locking device for its cord
Adjustment	Each cord adjusts independently without disturbing the other pendulums
Mounting	Rod clamp tightened with a large knurled knob

Typical Use

The classic investigation is how the period of a pendulum depends on its length. With three holders on one bracket, students can hang bobs on cords of three different lengths, set them swinging through small angles and time a fixed number of oscillations for each, then compare the results directly. Because each cord locks separately, one pendulum can be re-set to a new length while the other two stay exactly as they were, which saves time and keeps a controlled comparison. The same set-up shows that period is almost independent of bob mass when lengths are kept equal, and it can be used to demonstrate coupled or resonant pendulums.

Mount the rod clamp high on a stable stand, tighten the knurled knob firmly and make sure the bracket is level before measuring lengths from the point of suspension to the centre of each bob. A rigid, wobble-free bracket matters because any movement of the support changes the swing and spoils timing results. After use, release the cords, wipe the steel bracket dry and store the clamp with its thumbscrews loosely fitted so they are not lost.

Manufacturer

ScienceLab is the name under which Jain Scientific Equipments Private Limited, based in Ambala, Haryana, produces physics, chemistry and biology apparatus for educational institutions. Find out more on the company profile.

Related Laboratory Equipment

Everything else needed for a pendulum practical: