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

Product Name :

Optical Bench Kit

Product Code :

SLE/PHY/265



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

Description :

Optical Bench Kit (Product Code: SLE/PHY/265) is a 1.5 metre wooden optical bench with millimetre divisions and mounted accessories, used to locate images and measure focal lengthsin school and college optics practicals. It comes with a lamp housing holding a 12 V DC low-voltage lamp (powered by the included regulated adapter), object and receiving screens, a lensholder for 38mm lenses, an object needle and a 100x75mm plane mirror, so a full ray-opticspractical can run on one bench. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Bench	Wooden optical bench, 1.5 metres long
Scale	Millimetre divisions
Light source	Lamp housing with white lamp (mounted)
Lamp supply	12 V DC low-voltage lamp, powered by the included regulated adapter (input 100-240 V AC, 50/60 Hz)
Object screen	White metal, 75mm diameter (mounted)
Lens holder	For 38mm diameter lenses (mounted)
Object needle	Mounted on a 6mm metal rod
Plane mirror	In metal frame, 100x75mm (mounted)
Receiving screen	White metal, with slot for squared paper (mounted)
Product code	SLE/PHY/265
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Optical Bench Kit Used For?

The kit covers the standard ray-optics practicals: finding the focal length of a convex lens by measuring object and image distances, studying how image position and size change as the object moves, and locating images in a plane mirror using the object needle and the no-parallax method. The slot in the receiving screen holds squared paper, so students can measure image size and work out magnification directly. For schools building up optics lab equipment, it puts every basic accessory on a single graduated bench.

Work in a darkened room, power the 12 V DC lamp from the included regulated adapter, and set the lamp, object, lens and screen at the same height so the light travels along the bench axis. Read each position from the millimetre scale using the same edge of every mount, keep lenses and the mirror free of fingerprints, and store the wooden bench flat and dry so it stays straight.

Wha

- ne

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