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

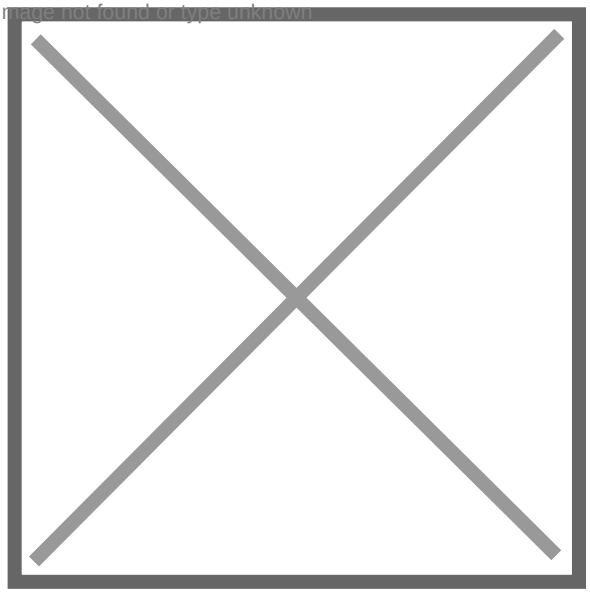
Product Name :

Optics Kit II

Product Code :

SCL-339/034

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Description :

Optics Kit II (Product Code: SCL-339/034) is a lens-and-mirror optics kit used for image-formation experiments in school and college physics laboratories. It pairs four 5 cm lenses — converging lenses of f = +200 and f = +100 and negative lenses of f = ?50 and f = ?100 — with 5 cm mirrors, letter and symbol objects and a translucent screen that shows the image from both sides. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Lenses (each 5 cm diameter)	Converging lens f = +200; converging lens f = +100; diverging lens f = ?50; lens f = ?100
Mirrors (each 5 cm diameter)	Flat mirror; a further mirror; curved “spoon” mirror
Holders	Lens holder / mirror holder
Objects	Multiple letters and symbols for symmetric and asymmetric objects
Screen	Translucent, image visible from both sides
Base	Multipurpose cylindrical base
Scale	100 cm metre ruler
Optical bench	Wooden
Power	Electric power source
Set-up	Easy set up
Product code	SCL-339/034
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is Optics Kit II Used For?

Optics Kit II is built for measured image-formation work. Students place a letter object, a lens and the translucent screen along the bench, move the screen until the image is sharp, and read the object and image distances on the 100 cm ruler to find focal length with the lens formula. Using an asymmetric letter such as F or R makes it obvious when an image is inverted or laterally reversed, which a symmetric letter would hide.

Because the screen is translucent, the image can be read from the front or the back, so a teacher can demonstrate while the class watches from the other side. Combining the positive and negative lenses shows how lens pairs change focal length, and the flat and curved mirrors extend the kit to reflection practicals. As an optics bench kit for school practicals, it helps to darken the room

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