



55836 Experimental Set-Up has been designed specifically for determination of Cardinal Points of a system of two thin Convergent Lenses separated by a distance using Nodal Slide Assembly. The set up consists of Optical Bench, Nodal Slide Unit, Light Source, Optical Screen, Plane Mirror and Convex Lenses.

The set-up is complete in all respects and requires no other apparatus. Practical experience on this set-up carries great educative value for Science and Engineering Students.

OBJECT

- 01 To Determine the Cardinal Points of a system of two thin Convergent Lenses separated by a distance and then to verify the formula.

FEATURES

The complete experimental Set-up consists of :

- 01 NODAL SLIDE ASSEMBLY : Comprising of the following :

- 1.1 Optical Bench :

- Two 150cm long steel rods 3/4" dia forming a bench with end supports having levelling screws. One of the two steel rods is graduated in cm & mm. It has four riders, two with transverse motion.

- 1.2 Nodal Slide Unit :

- Two vertical axis contains a carriage with suitable arrangement for combination of single & double lens holders. The lens holders are adjustable in height and are provided with lateral motion by rack & Pinion. These motions can be noted along a scale. The vertical carriage containing the whole mount can rotate along the vertical axis along a circular graduated scale.

- 1.3 Lamp House : An electrical 40W bulb housed in a case.

- 1.4 Optical Screen : With fine cross slit

- 1.5 Plane Mirror : Inclined

- 02 CONVEX LENS : Two no's.

- 03 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Note: Specifications are subject to change.

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