

IV-E769 Nodal Slide Assembly Complete With Optical Bench



Scope of Learning:

- Determination of the focal length of the convergent lens. Determination of the focal length of the combination of convergent lenses. Verification of the relation.

$$1 = 1/F + 1/f_1 + 1/f_2 - d/f_1 f_2$$

Apparatus Used:

- Consists of the following items.

Nodal Upright:

- Consists of a combination of Single & double lens holder on a mount rotating along the vertical axis. The combination lens holders are adjustable in height, and the single & twin lens holders can either be moved together by rack & pinion or relative to each other by sliding. These motions can be read by individual pointers on a mm scale.

Mirror: Plain, inclinable with 3" steel C.P. Stem.

Optical Slit: With fine machined cross slit, one surface white & the other optical black, with 3" steel C.P. Stem.

Lamp House:

- an electric bulb is encased in a metal case with cord & pin. It works on 220V AC.