OMEGA TYPE ES–337 Experimental setup has been designed specifically for Verification of Newton's Formula $x_1 x_2 = f^2$ for Lenses separated by a given distance.

The set up is consists of Optical Bench, Convex Lenses, Plane Mirror and Needles.

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 Verify Newton's Formula $x_1 x_2 = f^2$ for Lenses separated by a given distance.

1.1 Determination of focal length f of the lens system by Newton's formula.

1.2 Determination of the individual focal lengths f_1 and f_2 of the two lenses and then to evaluate the equivalent focal length of the lens system by theoretical formula:

FEATURE

The complete Experimental Set-up consists of :

01 Senior optical bench **:**
All metal having four metal riders. Two riders with transverse motion & Two fixed and provided 1mtr 1/2" round graduated with lavelling screws. Complete with double lens holder, single lens holder & two needles. (Round Rod type)
One metre long.

02 DOUBLE Convex Lens :
50 mm dia of focal length 40cm (2 Nos.)

03 Plane Mirror Strip : 7cm x 6 cm x 3mm.
WITH HOLDER BRACKET

04 Lens Holder : 2 Nos.

05 Needle : 2 Nos.

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

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.