



**OMEGA TYPE ES-369** Experimental Set-Up has been designed specifically to determine the focal length of a concave lens by telescope using The relation

The set up is complete in all respect 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 focal length of a concave lens by a telescope using the relation

#### FEATURES

The Complete Experimental Set-up consists of following items. :

01 OPTICAL BENCH :

All metal having four metal riders. Two riders with transverse motion & two fixed and 1 meter ½" Round Graduated provided with leveling screws complete with two lens holder & one (Round Rode Type) needle one meter long.

02 TELESCOPE (WITH STAND) :

It is a hollow metallic tube carrying an objective lens at one end which is achromatic and provided with rack and pinion focusing arrangement and with a cross wire arrangement and eye place at other end. The eye piece used is of Ramsden type.

03 DOUBLE CONVEX LENS :

50mm dia, focal length 25cm

04 DOUBLE CONCAVE LENS :

50mm dia, focal length 40cm

05 LENS HOLDER : 2 Nos.

06 NEEDLE : 1 Nos.

07 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.

## OMEGA ELECTRONICS