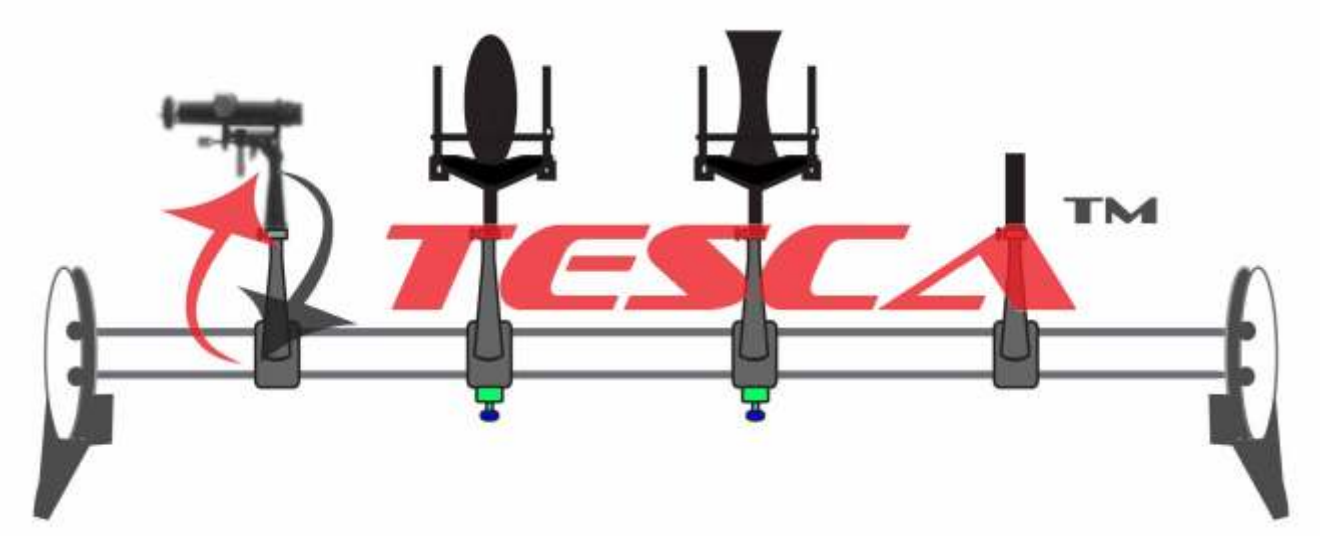


55869 Experimental Set-Up has been designed specifically to determine the focal length of a concave lens by telescope using The relation $\frac{1}{v}-\frac{1}{u}=\frac{1}{f}$

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

$$\frac{1}{v}-\frac{1}{u}=\frac{1}{f}$$

## FEATURES

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

01 OPTICALBENCH :
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.

Note: Specifications are subject to change.

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