

**TO STUDY THE NATURE AND SIZE OF
THE IMAGE FORMED BY A CONVEX
LENS / CONCAVE MIRROR ON A SCREEN
BY USING A CANDLE AND A SCREEN**

OMEGA TYPE ES-408



OMEGA TYPE ES-408 Experimental Set Up has been designed specifically to study the nature and size of the image formed by a convex lens / concave mirror on a screen by using a candle and a screen (for different distances of candle from the lens).

The setup is absolutely self-contained and requires no other apparatus.

Practical experience on this set up carries great educative value for Science and Engineering Students.

OBJECT

- 01 To study the nature and size of the image formed by a convex lens on a screen by using a candle and a screen (for different distances of candle from the lens).
- 02 To study the nature and size of the image formed by a concave mirror on a screen by using a candle and a screen (for different distances of candle from the mirror).

FEATURES

The Experimental Set-up consists of the following:

01 OPTICAL BENCH WITH DOUBLE ROD

: One meter Graduated Round Rod 0.75" provided with leveling four screws. One transverse motion rider & two fixed rider.

02 LENS HOLDER

: 50 mm. 1Nos.

03 DOUBLE CONVEX LENS

: Diameter 50 mm Focal Length 15 cm.

04 CONCAVE MIRROR

: Diameter 50 mm Focal Length 15 cm

05 SCREEN WITH PAPER SHEET

: 130 X 135 mm

06 SPIRIT LEVEL

: 40mm

07 CANDLE BOX

: 1 Nos.

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

OTHER APPARATUS:-

01 MATCH BOX

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

OMEGA ELECTRONICS