



**55908** 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

1. 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).
2. 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:

- OPTICAL BENCH WITH DOUBLE ROD : One meter Graduated Round Rod 0.75" provided with leveling four screws. One transverse motion rider & two fixed rider.
- LENS HOLDER : 50 mm. 1Nos.
- DOUBLE CONVEX LENS : Diameter 50 mm Focal Length 15 cm.
- CONCAVE MIRROR : Diameter 50 mm Focal Length 15 cm
- SCREEN WITH PAPER SHEET : 130 X 135 mm
- SPIRIT LEVEL : 40mm
- CANDLE BOX : 1 Nos.
- Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

### Other Apparatus

1. Match Box

Note: Specifications are subject to change.