



OMEGA TYPE ES-262 Experimental Set Up has been designed specifically for determination of the Young's Modulus Y of Glass by Cornu's method. The set-up consists of Traveling Microscope, Sodium light source, Screw gauge, Vernier callipers, Glass plate, Wooden platform, Glass reflector & Weights with hangers etc.

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 Determination of the Young's Modulus Y of Glass by Cornu's method.

FEATURES

The complete Experimental Set-up consists of the following :

- 01 **TRAVELING MICROSCOPE** : Bridge type body.
- 02 **SODIUM LIGHT SOURCE** : Sodium light source complete with sodium lamp 35 watts with vacuum jacket, Transformer & Wooden Box having four holes with slide covers, one each on every side at different heights.
- 03 **SCREW GAUGE** : Micro Meter Screw gauge 0.5mm Pitch
- 04 **VERNIER CALLIPERS** :

05 **WOODEN FRAME** :

To carry the experimental glass beam and a small rectangular glass plate. It also consist of two knife edges and plate form for travelling microscope .

06 **WOODEN REFLECTOR** :

It consist of a glass plate at 45° Angle & a rectangular glass plate at bottom.

07 **TWO SET SLOTTED** :

Set of five containing four slotted one hanger each weighing, 50 gm. Weights with Hanger Set total 250 gm. iron painted .

08 **HALF METRE SCALE** : Wooden

09 **Microbiology Glass Slide** :

Size 37.5x25x1.5/1No.

10 **Rectangular Glass strip** 500 x 25 x 2mm one side 175mm black Paint in center

11 **Weight** : 11.7 Kg. (Approx.)

12 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.

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