

DETERMINATION OF THE REFRACTIVE INDEX (m) OF A GLASS / WATER WITH THE HELP OF A MICROSCOPE
OMEGA TYPE ES-302



OMEGA TYPE ES-302 Experimental Set-Up has been designed specifically to determine the refractive index of a glass / water with the help of a Microscope.

The set-up is complete in all respects and requires no other apparatus.

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

OBJECT

To determine the refractive index of a glass / water with the help of a Microscope.

FEATURES

The complete Experimental Set-up consists of the followings :

01 TRAVELLING MICROSCOPE : With horizontal and vertical scales. The bed is of a heavy casting thoroughly aged and machined, is fitted with levelling screws. On the guide ways slide the carriage which can be clamped at any position by means of a thumb screw. A sliding carriage slides along a gunmetal Vertical pillar fitted on the horizontal carriage. The slow motion guide bars are made of sturdy material and the motion is very smooth.

1.1 MICROSCOPE TUBE : Inclinal in any angle. True vertical and horizontal positions marked focussing.

1.2 GUIDE WAYS : The guide ways over which slides the vertical carriage is made of gun metal.

1.3 SCALES AND VERNIERS : Made of life time Stainless Steel.

1.4 OPTICS : True achromatic objective with 7.5 cm. focussing distance from object, 10X Ramsden Eyepiece with fine cross wire is provided.

1.5 TRAVEL : 20cm. horizontally and 15 cm. vertically.

1.6 LEAST COUNT : Horizontal scale : 0.001 cm., Vertical scale : 0.001 cm.

02 GLASS SLABS 2 NO'S : Size 75 x 50 x 18mm & 100 x 60 x 25 mm

03 BEAKER : 100 C.C.

04 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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