

**ABSORPTION COEFFICIENT OF A LIQUID  
WITH THE HELP OF PHOTO VOLTAIC CELL**  
OMEGA TYPE ES-257



**OMEGA TYPE ES-257** Experimental Set Up has been designed specifically to determine the absorption coefficient of a liquid or solution with the help of photo voltaic cell. The set-up consists of photo voltaic cell, microammeter, glass vessel, light source 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 absorption coefficient of a liquid or solution (water,  $KMnO_4$ ) with the help of a photovoltaic cell.

**FEATURES**

The complete Experimental Set-up consists of the following :

- 01 A Wooden Box with following built-in Items
  - 1.1 Source of Light.
  - 1.2 Convex lens.
  - 1.3 Glass vessel graduated.
  - 1.4 Photo voltaic cell.
  - 1.5 Potentiometer.

- 02 Microammeter having 50uA range.

**Note** – A wooden box has been supplied to keep the items in position and undesirable light do not enter into the photo cell.

- 01 Weight : 3.6 Kg. (Approx.)
- 02 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.

**OMEGA ELECTRONICS**