



OMEGA TYPE ES-290 Experimental Set-Up has been designed specifically to study the characteristics of a Solar Cell. The set up consists of board with intensity controller, mounted solar cell, table lamp 100W and five different area choppers.

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 study the followings :

- 01 Illumination characteristics.
- 02 Current voltage characteristics.
- 03 Power-load characteristics.
- 04 Areal characteristics.

FEATURES

The complete Experimental Set-up consists of the followings :

- 01 One board built-up of
 - 1.1 Digital D.C.Ammeter dual range, 3½ digit 7 segment display.
 - 1.2 Digital D.C.Voltmeter dual range, 3½ digit 7 segment display.
 - 1.3 Digital D.C.Voltmeter 3½ digit 7 segment display.

- 1.4 Socket for table lamp with intensity control
- 1.5 Nine different resistance values selected by a band switch.

- 02 Solar Cell mounted.
- 03 Table Lamp 100 watt.
- 04 Five different area choppers.
- 05 Weight : 3.8 Kg. (Approx.)
- 06 Dimension : W 340 x H 125 x D 210
- 07 The unit is operative on 230V ±10% at 50Hz A.C. Mains.
- 08 Adequate no. of patch cords stackable 4 mm spring loaded plug length 50cm.
- 09 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections & observation of waveforms.
- 10 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