



55790 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.

Note: Specifications are subject to change.

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