



55714 Experimental Set Up has been designed specifically for the determination of PLANCK'S CONSTANT using SOLAR CELL (PHOTO VOLTAIC CELL-SELENIUM TYPE) and three optical filters with the help of Wien's Radiation Law. The set up is absolutely self contained and requires no other apparatus. Practical experience on this set up carries great educative value for Science and Engineering Students.

OBJECT

01 To determine the PLANCK's CONSTANT by SOLAR CELL (PHOTO VOLTAIC CELLSELENIUM TYPE) and three optical filters with the help of WIEN'S RADIATION LAW.

FEATURES

The Set up consists of the following :

- 01 SOLAR CELL (PHOTO VOLTAIC CELLSELENIUM TYPE).
- 02 Optical bench with four stands with transverse motion.
- 03 0-6V D.C. at 3A, continuously variable IC regulated and short circuit protected Power Supply with coarse and fine voltage control.
 - 3.1 Digital panel meter 3½ digit 19.99 Volt D.C.
 - 3.2 Digital panel meter 3½ digit 19.99 Amp. D.C.
- 04 Three different colour optical filters.
- 05 D.C. Microammeter, 65mm round dial, mounted on bakelite stand, to read 0-50uA.
- 06 One lamp 6V, 18W (light source) with lamp house and one lens.
- 07 Weight : 12.1 Kg. (Approx.)
- 08 Dimension : W290 x H160 x D230.
- 09 The unit is operative on 230V \pm 10% at 50Hz A.C.
- 10 Adequate no. of connecting wires with 2mm plug at one end.
- 11 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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