



55730 Experimental Set Up has been designed specifically for determination of Stefan's constant by using an incandescent Lamp and Photo Voltaic Cell. It is based on Stefan Boltmann relation. 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 Stefan's constant by using an incandescent lamp and Photo Voltaic Cell.

FEATURES

The Set up consists of the following :

- 01 Aboard with following built-in parts :
 - 1.1 D.C. Power Supply, 0-6V at 3A, I.C. regulated continuously variable and short circuit protected, with coarse and fine voltage control.
 - 1.2 Digital D.C. Voltmeter $3\frac{1}{2}$ Digit range 0-20V .
 - 1.3 Digital D.C. Current meter $3\frac{1}{2}$ Digit range 0-20Amp.
 - 1.4 Digital D.C. Voltmeter $3\frac{1}{2}$ Digit with selectable switch range 0-200mV/2V.
 - 1.5 ON / OFF Switch with Indicator
- 02 An incandescent lamp 6V, 18W with lamp house.
- 03 A Photo Voltaic Cell mounted in a house.
- 04 Optical bench with two stands, one for lamp house and other for photo voltaic cell.
- 05 The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
- 06 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 07 Weight : 9.8 Kg. (Approx.)
- 08 Dimension : W 415 x H 165 x D 315.

LIST OF ACCESSORIES

- 01 Patch cord 4mm Length 50cm. Red.....02
- 02 Patch cord 4mm Length 50cm. Black.....01

Note: Specifications are subject to change.

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