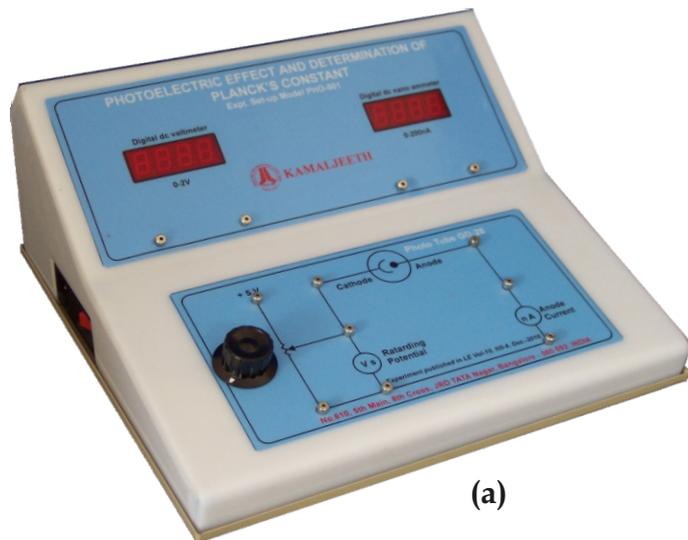


Experiment(s):

1. Verification of Einstein's photo electric equation
2. Determination of Planck's constant, Photonic work function

(For more details, procedure & manual visit: www.kamaljeeth.net)



(a)



(c)



(b)

Experiment Setup Consists:

- a) Planck's Constant Kit
- b) Photo Tube arrangement
- c) Filters set

Specifications:

a) Planck's Constant Kit:

Consists of built-in Power supply:

0-5V variable, regulated & short circuit protected

Voltmeter: 0-20V, 3½ digit, LED display

Current meter: 0-200 nA, 3½ digit, LED display

Power: AC 220V/50Hz or AC 110V/60Hz

Power Consumption: <50W

Cabinet: Acrylic body, aluminum bottom

Connectors: 2mm-2mm moulded brass pin patch cords

b) Photo Tube:

Wavelength sensitive photo tube fitted with independent illumination

Power Consumption: <20W

c) Filters:

Set of 5 calibrated filters of known wavelength

Reference : Lab Experiments Journal vol-10, No.4, Page-316



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