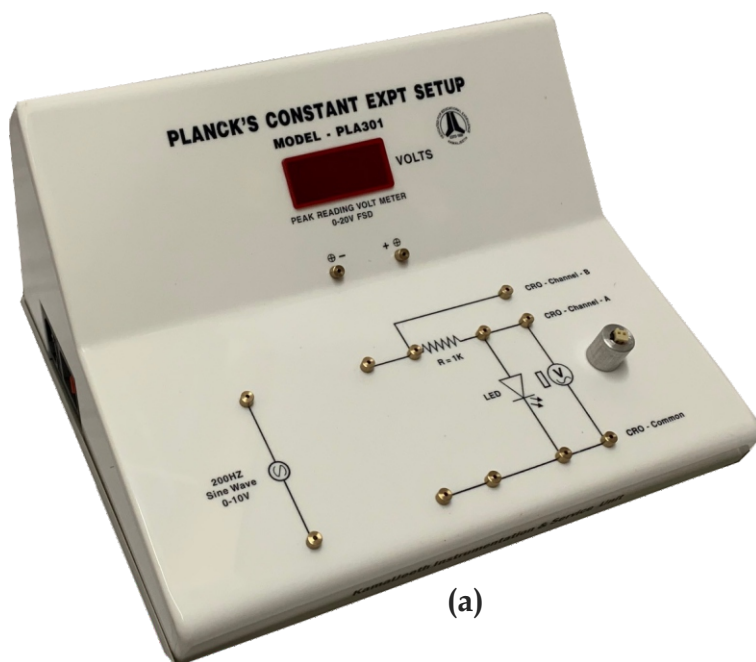


Experiment(s):

1. Determination of Planck's Constant using Einstein's Equation

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



(a)



(b)

Experiment Setup Consists:

- Experimental Kit
- Set of LEDs

Specifications:

Experimental Setup

Power supply: Fixed frequency sine wave 0-10V

Voltmeter: Digital DC 3½ digit wideband (upto 200KHz) peak reading meter

Range: 20V

Resolution: 0.01V

LED Mounting: External

Output: Via CRO and Voltmeter

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

Power Consumption: <50W

Cabinet: Acrylic body, aluminum bottom

Set of LEDs

Quantity: 5 different LEDs x 2 sets

LEDs of known wavelength:

4 LEDs in visible range and 1 Infrared LED

Reference : Lab Experiments Journal vol-4, No.1, Page-11



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