



Science Lab

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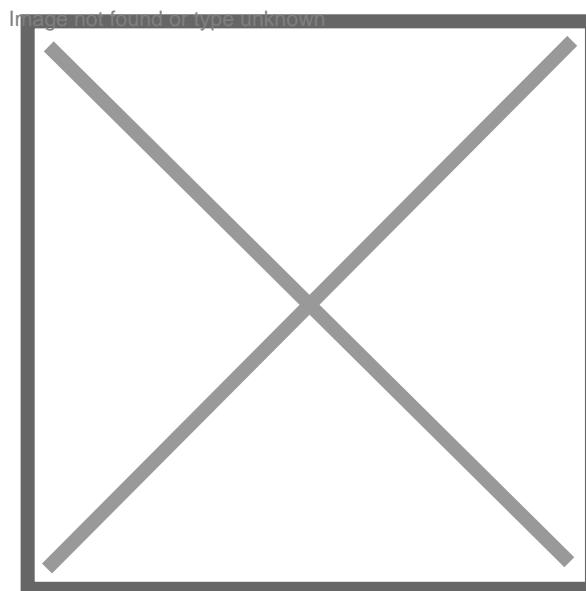
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**Product Name :**

Planck's Constant Apparatus

**Product Code :**

SLE/PHY/47



## **Description :**

The planck's constant apparatus functions as a ready-built circuit for the measurement of the photoelectric effect. Ideally used in conjunction with the Picoammeter. Inside the unit are a caesium antimony cathode, a D/C power supply with a potentiometer to provide a variable retarding voltage to the photoelectric circuit and a digital display showing the retarding voltage. A 4 mm to UHF lead is included for connecting the picoammeter to the apparatus. 6 Different colored lenses are provided to vary the value of 'f'.

### **Specifications :**

DC Stopping potential controlled by 10-turn potentiometer DC voltmeter with 0-19.99 V LED display

**Filters :** 6 narrow-band (FWHM bandwidth : 4-15 nm), with wavelengths of 405 nm, Female UHF socket for connection to picoammeter

**Photocell :** caesium antimony cathode (spectral response range 185-650 nm)

**Power source :** 9 V PP3 battery Dimensions: 205 x 150 x 115 mm (W x H x D)

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