Description

Cat. No. : “JSS-329/049”

DESCRIPTION :-

Demonstrate to students that the emission process depends strongly on the frequency of radiation.

The experiment illustrates that for each metal, a critical frequency exists that prevents light of a lower frequency from liberating electrons while light of a higher frequency always does.

The emission of electrons occurs within a short time after arrival of the radiation, and the member of electrons is proportional to the intensity of this radiation.

Completing this experiment provides the strongest evidence that the electromagnetic field is quantified and that the field consists of quanta of energy (photons): E= hn where n is the frequency of the radiation, and h is the Planck’s constant.

Comprehensive Materials and Equipment Accuracy: ±0.2%
110V±10%, 60Hz

Output: ±15V Continuously Variable

Regulated-Voltage Power Supply

Low-Current Digital Nanometer
Demonstrate to students that the

emission process depends strongly on the frequency of radiation.

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