

IV-E388E Planck's Constant By Photocell (Compact Model)

Scope of Learning:

- Study of Planck's Constant h/e using Photo Cell

Technical Specification:

Power Supplies:

- DC Supply 0-5V DC, 150mA (With Negative and Positive Polarity)
- Operated on Mains power 230V, 50Hz $\pm 10\%$

Digital Meters:

- Voltmeter / Ammeter Dual Selector

Components are mounted on the panels are:

- Zero Setting through 10 Turn Potentiometer.
- Voltage Control through Potentiometer.
- Current multiplier (4 Ranges): X1, X0.1, X0.01, X0.001
- Stand to hold Photo Cell enclosed in metal box.
- Light Source is Controlled Through Potentiometer
- Tungsten Bulb/Halogen/Mercury Bulb as Light Source.
- Color Filters: Red, Yellow, Green, Blue and Violet.
- Stand to hold color filter.
- Scale mounted on Instrument and light source is distance variable



Salient Features:

- Front panel built with high class insulated Printed Circuit Board sheet with well printed circuits and symbols.
- Instruction manual.
- Connections are brought out through BNC Terminations.
- The trainer is housed in Metal and ABS Plastic cabinet.
- Size of the trainer set 16"x5"
- Short Circuit Protection through Fuse.

Optional Accessories:

- No