

## IV-E2224 Planck's Constant By Solarcell

### Scope of Learning :

- Determination of Planck's Constant 'h' by measuring radiation in a fixed spectral range.

### Technical Specification :

#### Power Supplies :

- DC Supply 0-12V DC, 3A
- Operated on Mains power 230V, 50Hz±10%

#### Digital Meters :

- Ammeter 3A DC.
- Voltmeter 20V DC.



### Components are mounted on the panels are:

- Voltage Control through Potentiometer.
- Stand to hold Photo Cell enclosed in metal box.
- Light Source is housed in suitable box
- 12V, 20W Lamp as Light Source.
- Color Filters: Red, Yellow, Green, Blue and Violet.
- Stand to hold color filter.
- Digital Galvanometer 200mV.
- Wooden Optical Bench

### 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 12"x4"
- Short Circuit Protection through Fuse.

### Optional Accessories :

- No.