

## IV-E388A Photo Electric Effect Experiment Setup

### Scope of Learning:

- Study of Photo Electric Effect

### 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:

- Ammeter 20uA DC.
- Voltmeter 20V DC.

#### Components are mounted on the panels are:

- Zero Setting through 10 Turn Potentiometer.
- Voltage Control through Potentiometer.
- Stand to hold Photo Cell enclosed in metal box.
- Light Source is housed in suitable box with Intensity Control.
- Color Filters: Red, Yellow, Green, Blue and Violet.
- Stand to hold color filter.
- BNC to BNC lead for interconnection.

### 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 Connector
- The trainer is housed in ABS Plastic cabinet/Metal Box.
- Size of the trainer set 12"x5"

### Packing List:

- Wooden Optical Bench With Scale Stickered
- Set of 5 Color Filter
- Photo Cell Unit Housed in Plastic Box
- Lamp Housed in Aluminum Box
- BNC to BNC Probe
- Photo Electric Effect Trainer Unit.

