

IV-E215 Verification Of Malus Law



In this experiment, Malus law of polarization is verified by showing that the intensity of light passes through two polarizers depends on the square of cosine value of the angle between the two polarizer axes. The transmitted light is measured by a photo detector and the Malus Law can be verified.

Scope of Learning :

VERIFICATION OF MALUS LAW

Apparatus Used :

- Optical Bench Rail Type/Rod Type 1 Mtr. Length
- Polarizer With Mount
- Analyzer With Mount
- Photo Detector
- LDR With Mount

Salient Features :

- Instruction manual.
- Patch Cords 4mm

Light Source To Be Supplied :

- Diode Laser With Power Supply or
- 100W Lamp as Source or
- He Ne Laser With Power Supply.