



OMEGA TYPE ES-266 Experimental Set-Up has been designed specifically to study the Polarisation of Light by Simple Reflection from a Glass Plate with the help of Nicol's Prism and Verify Brewster Law & Malus Law. The set-up consists of a Glass plate, Photo voltaic cell, Incandescent/Halogen lamp, Microammeter, Polaroid and Convex lens.

The set-up is complete in all respect and requires no other apparatus. Practical experience on this set-up carries great educative value for Science and Engineering Students.

OBJECT

- 01 Study Of Polarization By Reflection from a Glass Plate with the help of Polaroid and Photo Cell.
- 02 To Verify the Brewster Law using a plain glass plate and a polaroid
- 03 Study and Verify Malus Law using a plain glass plate and a polaroid

FEATURES

The complete Experimental Set-up consists of the following items arranged on a wooden platform.

- 01 Incandescent bulb/ Halogen spot/reflector lamp Input 240Volt Output 12V/50W bulb with house.
- 02 Double convex lens (50mm dia & F.L. 10cm.)
- 03 Mirror Glass plate with arrangement for rotation and angle measurement.
- 04 Polaroid mounted on a graduated circular scale 360° and attached with Photo Voltaic Cell.
- 05 Digital Microammeter 0–200 uA. DC house in bakelite case, display 3½ digit, power required 230V ±10% at 50 Hz. mains OMEGA TYPE DPM-054.
- 06 Weight : 4 Kg. (Approx.)
- 07 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS