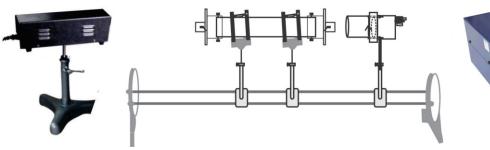


## MALUS LAW (COSINE SQUARE LAW) FOR POLARISATION OF LASER LIGHT **OMEGA TYPE ES-315**





OMEGA TYPE ES-315 Experimental Set Up has been designed specifically for verification of Malus Law (Cosine Square Law) for polarisation of Laser light. The set-up consists of Optical Bench, Diode Laser, Laser detector, Polarizer, Analyzers and Nanoammeter.

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 To verify the Malus Law (Cosine Square Law) for polarisation of Laser light.

## **FEATURES**

The complete Experimental Set-up consists of the following items.

01 OPTICAL BENCH : 100cm long steel rods 1/2" dia forming a bench with and supports having leveling screws. One of the two steel rods is graduated. It has four riders two with transverse motion & two fixed Holders.

- 02 HE-NE LASER WITH POWER SUPPLY
  - Maximum output: 1 mW Wave length : 670 nm visible red : Included with ON/OFF Power supply
    - switch working on 230VAC.
- 03 LASER DETECTOR: Composition silicon Laser detector mounted in case.
- 04 POLARISER & ANALYSER : Fitted with circular scale graduated in 360° mounted on a tube.
- 05 NANOAMMETER : OMEGATYPEDNM-021 Range 100nA, 1uA, 10uA, 100uA,

DISPLAY 31/2 digit Seven Segment LED

- 06 Reading Lens : 50mm diameter with handle
- 07 Sprit Level : 60 mm length
- 08 Weight : 10.7 Kg. (Approx.)
- 09 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

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