



**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 ½” 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

Power supply : Included with ON/OFF 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 :

OMEGA TYPE DNM-021  
Range 100nA, 1uA, 10uA, 100uA,  
DISPLAY 3½ 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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