

OMEGA TYPE ES-386 Experiment set-up has designed specifically for determination of power distribution within the beam. Experiment is based on divergence of a laser beam. The Set up is absolutely self-contained and requires no other apparatus. Practical experience on this set up carries great educative value for Science and Engineering Students.

OBJECT:- Study of Divergence of a Laser Beam



FEATURES

The complete experiment setup consists of the following: -

- 01 OPTICAL BENCH : 100cm long steel rods $\frac{1}{2}$ " 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
Power supply : Included with ON/OFF switch working on 230V mains supply.
- 03 KNIFE-EDGE : Knife-edge mounted on a micro-positioner (Accuracy in 10m m)
- 04 DOUBLE CONVEX LENS : 50mm FL 10cm with lens holder
- 05 LASER DETECTOR : Composition silicon Laser detector mounted in case.
- 06 DIGITAL METER : Digital panel meter $3\frac{1}{2}$ digit 199.9 Millivolt DC
- 07 Adequate No. of connecting wires,
- 08 Weight : 4 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.

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