



55886 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 DIODE 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, 100cm long.

08 Weight : 4 Kg. (Approx.)

09 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Note: Specifications are subject to change.

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