



55888 Experiment set-up has designed specifically for Demonstrations of Interference and Diffraction Phenomena Using Laser. 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

To Study Demonstrations of Interference and Diffraction Phenomena Using Laser. (Study of Young's Double Slit)

#### FEATURES

##### 01 OPTICAL BENCH :

Two 150cm long steel rods 3/4" dia. forming a bench with end supports having leveling screws. One of the two steel rods is graduated in cm and mm. It has three riders, two with transverse motion & one fixed.

##### 02 DIODE LASER WITH POWER SUPPLY.

MAXIMUM OUTPUT : 1mW

WAVE LENGTH : About 670 nm visible red

POWER SUPPLY : Included with ON/OFF switch working on 230V mains supply.

##### 03 DOUBLE SLIT : Size 75 x 75mm with two slit (width = 0.5mm, gap = 1mm, height 30mm)

##### 04 SCREEN : 200mm x 200mm with white Art paper.

05 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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