



55852 Experimental Set-Up has been designed specifically to determine the Wave Length of Sodium Light Using Lloyd's Mirror. The set-up consist of Optical bench, Lloyd's Mirror, Lens Holder, Micrometer eye-piece, Optical Slit, Double Convex Lense, Sodium Light source etc. The set-up is complete in all respect and requires no other apparatus. Practical experiance on this set up carries great educative value for Science and Engineering Students.

#### OBJECT

01 To determine the Wave Length of Sodium Light Using Lloyd's Mirror.

#### FEATURES

01 The complete Experimental Set-up consists of the followings :

- 1.1 Optical Bench : Two 150 cm long steel rods 3/4" dia. forming a bench with end supports having levelling screws. One of the two steel rods is graduated in cm and mm. It has four riders, two with transverse motion.
- 1.2 Lloyd's Mirror Mounted :
- 1.3 Lens Holder : Spring action type having well ground stainless steel jaws.
- 1.4 Micrometer Eye Piece : Aramsden 10X eye piece carried on a slide which moves along a micrometer screw. The movement is read on a 30-0-30 mm steel scale and directly on micrometer head to .001 cm. No backlash.
- 1.5 Optical Slit : Optically true, prcision ground stainless steel jaws. The jaws open uniformly all along through the milled head.

02 Double Convex Lense : 50 mm Diameter and F.L. 10cm.

03 Sodium Light source : Sodium light source complete with sodium lamp 35 watt with vacuum jacket, Transformer & Wooden Box having four holes with slide covers one each on every side at different heights.

04 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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