



55829 Experimental Set-Up has been designed specifically to compare the illuminating power of two given source of light with a Lummer Brodhum (L.B.) Photometer. The Set-up consists of Lummer-Brodhum (L.B.) Photometer, Optical Bench & two sources of light and one ground glass plate. 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 compare the illuminating power of two given source of light with a Lummer Brodhum (L.B.) Photometer.
- 02 To determine transmission co-efficient of a ground glass plate.

#### FEATURES

The complete experimental Set-up consists of :

- 01 Lummer Brodhum (L.B.) Photometer :

The unit is encased in a special aluminium case with standard stem of 12.5 mm dia. It is fitted with high class optics. Light from the different sources fall on either side of a uniform opaque white screen. This light is reflected by side reflectors (special prisms) and passes through the Lummer Brodhum (L.B.) cube. The field of view can be seen through a telescope and the two light intensities are compared directly. The photometer is mounted in a swivel bracket for proper adjustment.

- 02 Optical Bench Double Rod :

With 1.5 meter long double steel bar bench, one of the two rod is graduated in mms. It is provided with four riders. Two of the riders are provided with lateral motion.

- 03 Lamp House : 2 no's working on electric mains with 100W Bulb

- 04 Ground Glass Plate : 1 no's.

- 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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