



55784 Experimental Set-Up has been designed specifically to determine the Dispersive Power of the material of the Prism for violet and yellow colours of mercury light with the help of a Spectrometer. The set-up consists of Spectrometer, Mercury light source, Prism, Reading lens etc.

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

To determine the Dispersive Power of the material of the prism for violet and yellow colours of Mercury light with the help of a Spectrometer.

FEATURES

The complete Experimental Set-up consists of the followings :

01 Spectrometer standard :

6" dia circle reading 30 seconds. The objectives used in telescope and collimator are achromatic and provided with rack and pinion focussing arrangement. Telescope arm and prism table are provided with fine and coarse adjustment. The prism table is provided with three leveling screws and is engraved with concentric rings & lines. The scales and verniers are of stainless steel and are machine divided. Clamping devices are also provided to lock telescope and collimator after adjustment; with prism clamping device and diffraction grating stand.

02 Mercury light source : Complete with Mercury Vapour lamp 80W along with choke & wooden box with holes with slide covers one each on three sides.

03 Prism : Optically worked with two faces polished, equilateral size 38mm x 38mm.

04 Reading lens : 40/50 mm diameter with handle.

05 Spirit level : 60/80 mm length.

06 Weight : 13.5 Kg. (Approx.)

07 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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