



55816 Experimental Set Up has been designed specifically for determine wave length of Laser Light by diffraction grating method. The setup consists of Circular Table, Diode Laser, Laser detector, Diffraction Grating, Nanoammeter, Reading Lens and Spirit Level.

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 determine wave length of Laser Light by diffraction grating method.

#### FEATURES

The complete Experimental Set-up consists of the following items.

01 Diode Laser He-Ne with Power Supply.

Maximum output : 1 mW

Wave length : 670 nm visible red

Power supply : Included with ON/OFF switch working on 230 mains.

02 Circular Table : Spectrometer scale 6" dia circle with vernier but without Collimator & Telescope. It has two holders one for laser & other for Laser detector.

03 Laser Detector : Composition silicon Laser detector mounted in Aluminium case.

04 Diffraction Grating : Hilger & Watts Type, 15000 lines per inch/6000 lines per cm.

05 Nanoammeter :

06 Reading Lens : 50 mm diameter with handle

07 Spirit Level : 60 mm length

08 Weight : 9.2 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.

**Tesca Technologies Pvt. Ltd.**

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,  
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,  
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com  
Website: www.tesca.in