



Wavelength of LASER Experiment is an Optical Setup to understand the working of Diffraction Grating and Single Slit. It determines the wavelength of LASER Light. Here the LASER is used as a Monochromatic light source and a Diffraction grating/Single Slit for getting a diffraction pattern.

Interference and Diffraction are the two main phenomena which demonstrate the wave nature of light. Diffraction grating allows a beam of light to resolve into different colors. It usually consists of thousands of narrow, closely spaced parallel slits. With the help of this setup we can find the wavelength of any intense Monochromatic light.

### **Experiment**

- Determination of Wavelength of LASER using Diffraction Grating

### **Apparatus Supply**

- Diode Laser - Wavelength: 630nm, Output: 5mW
- Single Slit - Slit width: 0.05 mm,
- Dimensions (mm) : 60 x 45
- Optical Bench Rail Type/Rod Type
- Optical White Screen

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



Export Sales: +91-9829132777  
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,  
Sitapura Extension, Jaipur-302022, India.



info@tesca.in  
www.tescaglobal.com