

NV6110 Measurement of Wavelength of Laser by Diffraction Grating is an Optical setup for understanding the working of Diffraction grating and to determine the wavelength of Laser light. Where a Laser is used as a Monochromatic Light Source and a Diffraction grating for getting a diffraction pattern.

Interference and Diffraction are the main phenomena which demonstrate the wave nature of the light. Diffraction grating allows a beam of light to be resolved into different colors. It usually consists of thousands of narrow, closely spaced parallel slits (or grooves).

With the help of this setup we can find out the wavelength of any intense Monochromatic light.

- ▣ **A comprehensive and self contained Optics System**
- ▣ **A complete system with Light Source, Bench and all necessary accessories**
- ▣ **Sliding stand for precise arrangement**
- ▣ **2 Year warranty**

Technical Specifications

Optics bench

Length : 1 meter

Laser source

Wavelength : 630 nm

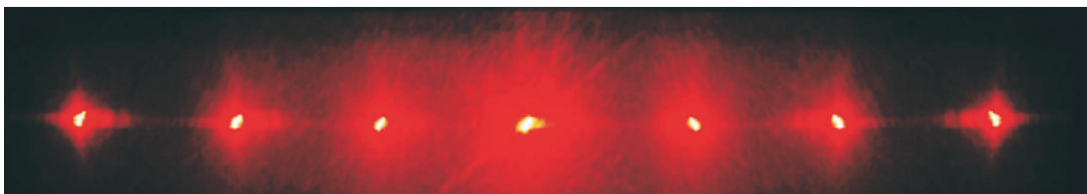
Output : Less than 3 mW

Diffraction Grating : 300 L / mm

Scale

Horizontal : 10 - 0 - 10 cm

Vertical : 9 - 0 - 9 cm



Diffraction Pattern of Laser