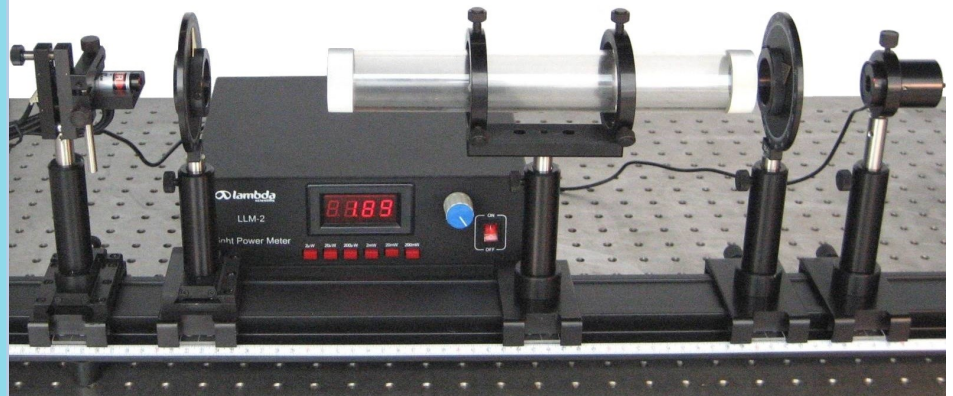


LEOI-41 Experimental System for Effect of Optical Activity



- *Include semiconductor laser and optical power meter*
- *Understand optical polarization and application*
- *Apply Malus's law*
- *Study optical activity effect*

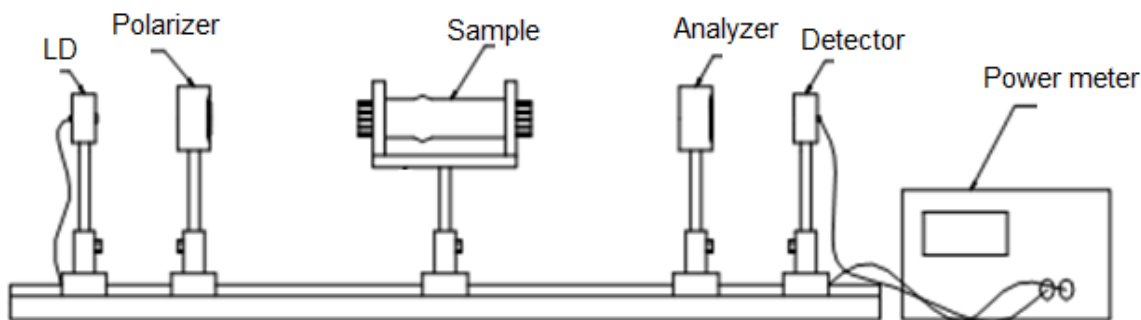
LEOI-41 is designed to observe the effect of optical activity, reveal the polarization rotation characteristics of an optically active material, and measure the relationship between specific rotation and concentration of glucose solution. Through this system, students can enhance their understanding of the origin of polarized light and its testing method.

Experimental Contents

1. Observe polarization phenomenon of light
2. Observe polarization rotation of light going through glucose solution
3. Measure the specific rotatory power of glucose solution
4. Measure the concentration of glucose solution

Parts & Specifications

Semiconductor Laser	5 mW@ 650 nm	1
Polarizer		2
Polarizer Holder		2
Two-Axis Adjustable Laser Holder		1
Optical Rail	Aluminum, 74 cm	1
Carrier		5
Sample Tube		1
Photo Detector		1
Optical Power Meter		1



Schematic of system

Note: above product information is subject to change without notice.