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# Brewster's Angle Apparatus

**Model: HO-ED-P-01**



Price : \$ 947.00

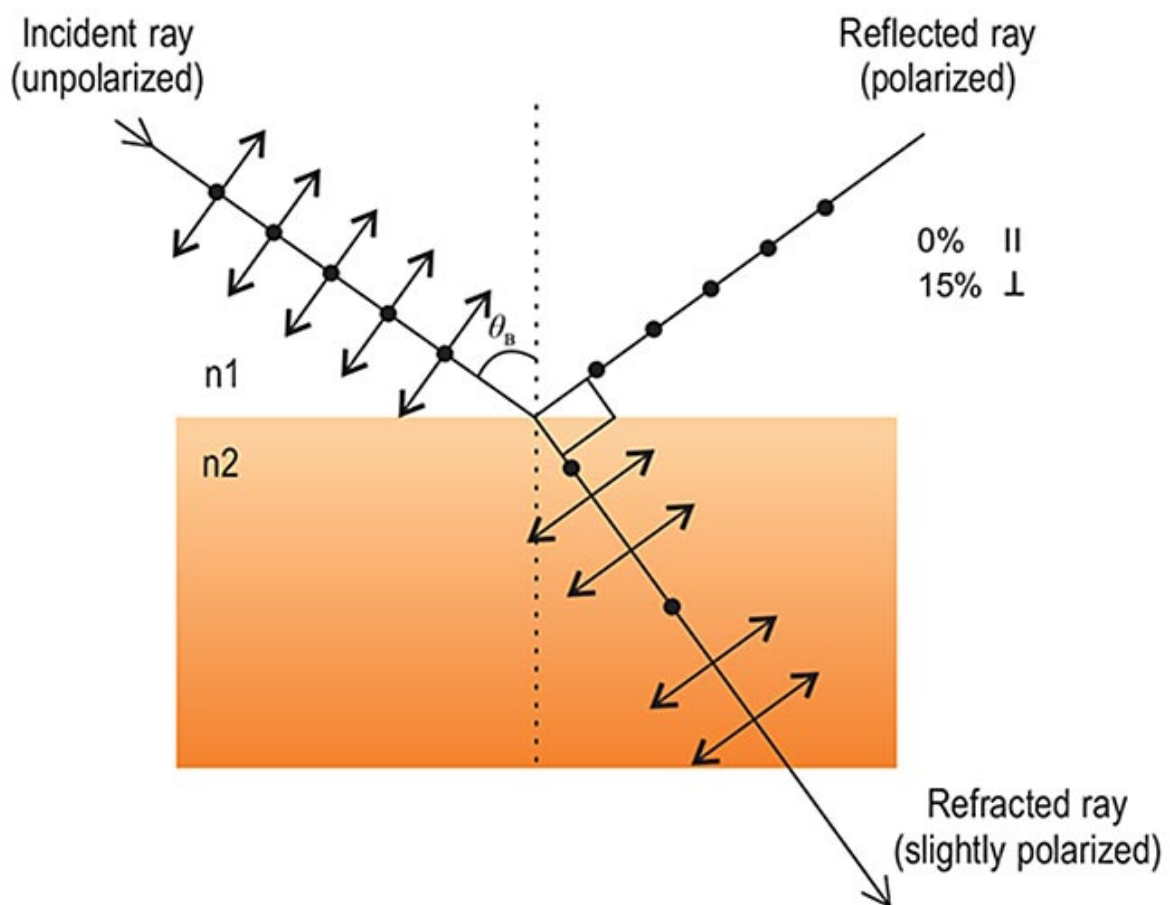
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Holmarc's Brewster's Angle Apparatus (Model No: HO-ED-P-01) is designed to study the Brewster's angle phenomenon and the polarization of reflected light. The essential elements of the apparatus consists of a goniometer, a laser light source capable of projecting a light beam that is linearly polarized in its plane of incidence, and a pinhole photo detector with output measurement unit for detecting and measuring the intensity of light reflected. The diode laser and polarizer rotator are mounted on an optical rail.

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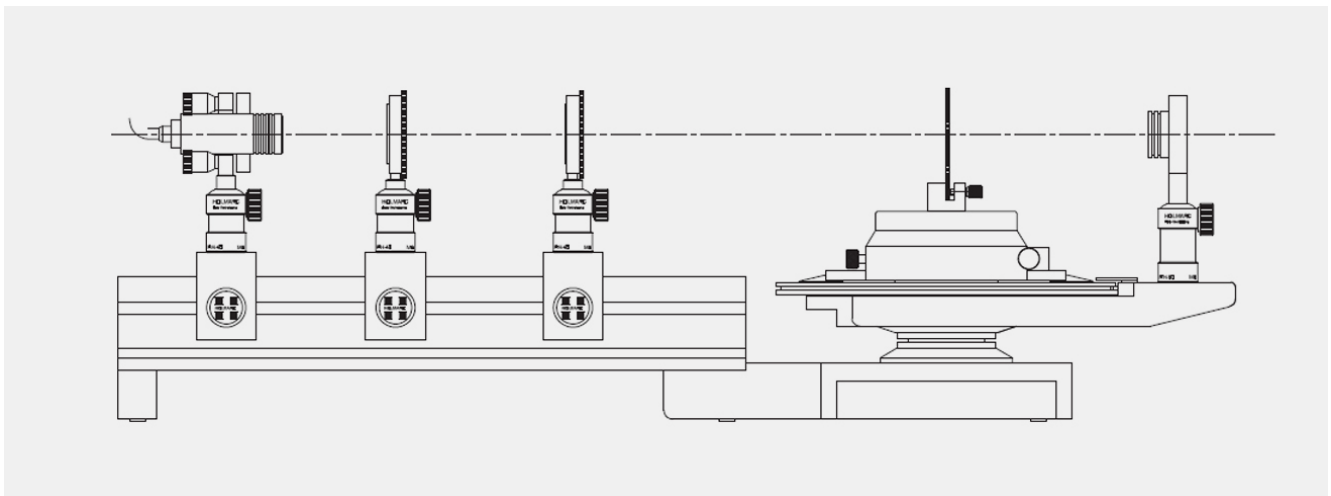
## Experiment Examples

- ▶ To measure and plot the graph-reflectivity versus angle of incidence + ^
- ▶ To find the Brewster's angle (also known as the polarization angle) of glass plate and determination of refractive index +



## Related Topics

- ▶ Snell's law
- ▶ Polarization by reflection
- ▶ Fresnel's law of reflection
- ▶ Brewster's law



Mechanical Drawing

## Scope of Supply

- ▶ Goniometer with Detector Mount

+




- ▶ Optical Rail +
- ▶ Kinematic Laser Mount +
- ▶ Polarizer Rotator with Mount +
- ▶ Glass Slide +
- ▶ Diode Laser with Power supply (Red) +
- ▶ Detector Output Measurement Unit +
- ▶ Accessories +

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