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Brewster's Angle Apparatus

Model: HO-ED-P-01

Price : $ 947.00

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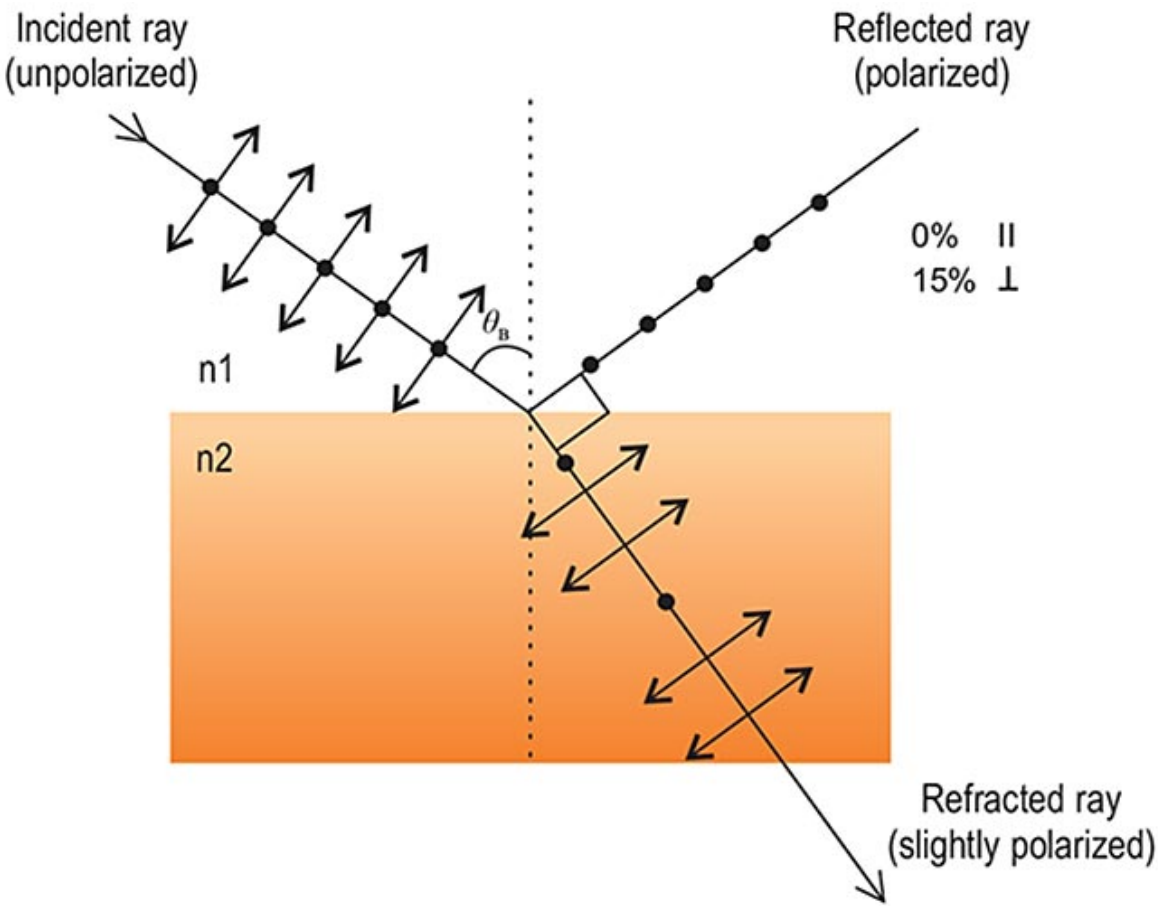
Holmarc's Brewster's Angle Apparatus (Model No: HO-ED-P-01) is designed to study the Brewster's angle phenomenon and the polarization of reflected light. The essential elements of the apparatus consists of a goniometer, a laser light source capable of projecting a light beam that is linearly polarized 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.

More

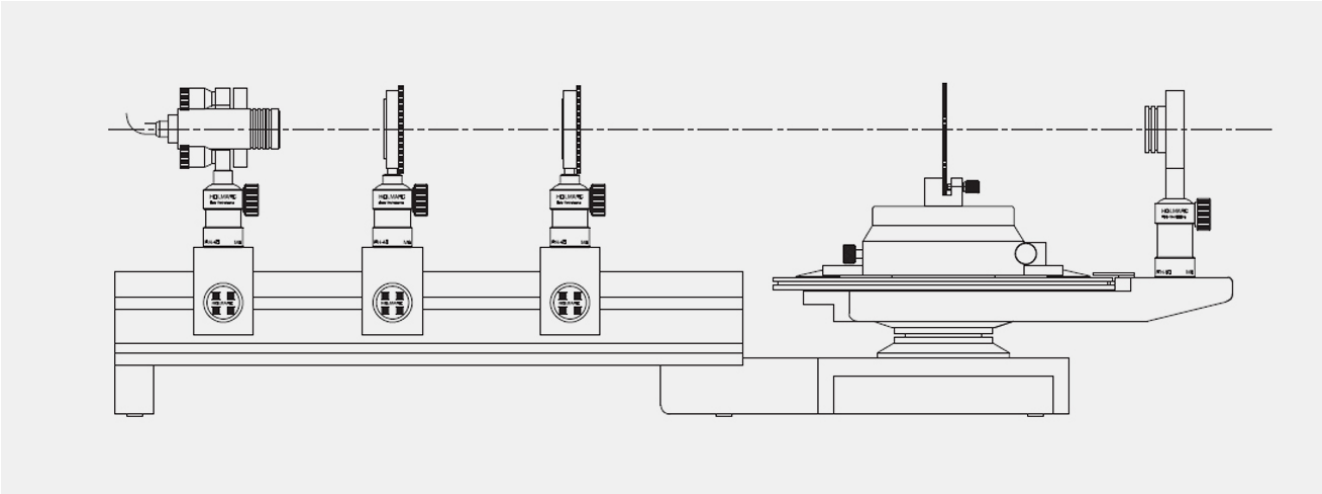
Experiment Examples

- 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 +