



Measurement Applications

At Hinds Instruments we specialize in working with our customers to solve complex and demanding metrology challenges. For over 30 years our core technology (the Photoelastic Modulator) has been the foundation of measurement solutions in applications ranging from astronomy to spintronics to glass and crystal characterization. Our expanded product offerings and knowledge base make Hinds Instruments an invaluable solutions partner.

The following lists include applications where our components and systems are widely used to solve complex and demanding optical polarization measurement challenges.

Select your Application area:

[Polarization Measurement](#)

Astronomical Polarization, Birefringence, Dichroism, Diattenuation, Ellipsometry, Extinction Ratio, Faraday Rotation, Fluorescence, Optical Chopping, Kerr Constant, Magneto Optic Kerr Effect, PM IRRAS, Polarization Extinction Ratio, Polarization Scrambling, Reflection Difference / Anisotropy Spectroscopy, Rheology, Scattering Media, Stress Measurement

[Polarimetry](#)

Mueller Polarimetry, Stokes Polarimetry, Optical Rotation, State of Polarization, Degree of Polarization

[Optical Lithography](#)

DUV Birefringence

[Lens Measurement](#)

Discrete Optic Curved Surfaces

[Thin Films](#)

Birefringence Measurement, MOKE, PM-IRRAS

[Fiber / Laser Crystals / Optical Metrology](#)

Extinction Ratio, Polarization Extinction Ratio, S. Polarimetry, Waveplate Measurement, SOP / DOP

[Contact us](#) to see how Hinds Instruments works with our customers to solve complex metrology problems.