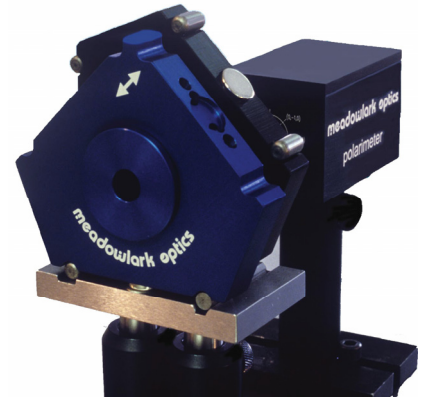


Polarimeter

Our user-friendly Polarimeters provide high accuracy and reliability in an easy to use instrument, suitable for manufacturing and laboratory applications.

Our Polarimeter is a compact system with convenient computer control that accurately measures Stokes Parameters 10 times per second. It quantifies the State of Polarization (SOP) and graphically displays the Poincaré Sphere, Polarization Ellipse, or running chart.

The Meadowlark Optics system contains no spinning waveplates, motors, or other moving parts to wear or cause vibrations. Patented algorithms provide high accuracy and calibration versatility.



Key Features

• • •

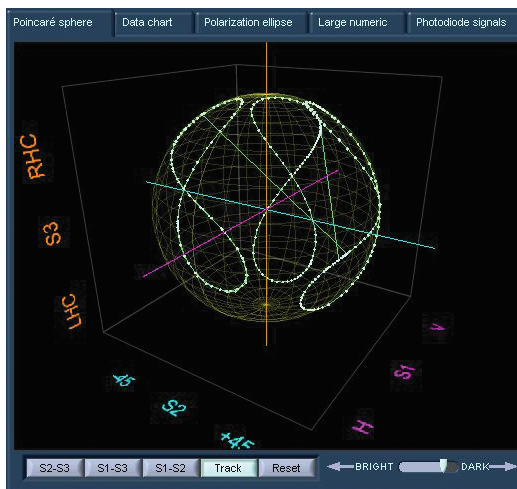
Compact

No moving parts

Broad wavelength range

Fiber and free space versions

Visible and near infrared versions





SPECIFICATIONS

Absolute Degree of Polarization Accuracy	≤ 1%
Measurement Frequency	10 Hz
Resolution	0.001 of a Stokes Parameter
Maximum Operating Temperature	40°C
Optical Head Dimensions	2.83 x 1.75 x 1.75 in.
Minimum Optical Power to maintain accuracy*	10 μW
Input Aperture	2 mm

These specifications describe performance at 23 ± 3 °C ambient temperature.

*sensitivity can be increased to 1 mW by special request

System Requirements:

- Windows™
- USB Port
- Use of LabView™ Instrument Library requires LabView™ version 6.1 or newer full development system.

ORDERING INFORMATION

<i>Wavelength Range</i>	<i>Version</i>	<i>Part Number</i>
450 – 1100 (nm)	Visible	PMI – VIS
900 – 1700 (nm)	Near Infrared	PMI – NIR

Optional Accessories:

Eigenstate Generator Set*

Fiber optic cable adapter

- Visible

- Infrared

Angle-polished fiber collimator adapter

Calibration at additional wavelengths

*The Eigenstate Generator Set enables precise

Polarimeter recalibration

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