

PolSNAP is a compact Stokes Polarimeter from Hinds Instruments; a company with more than 45 years of polarimetry experience.

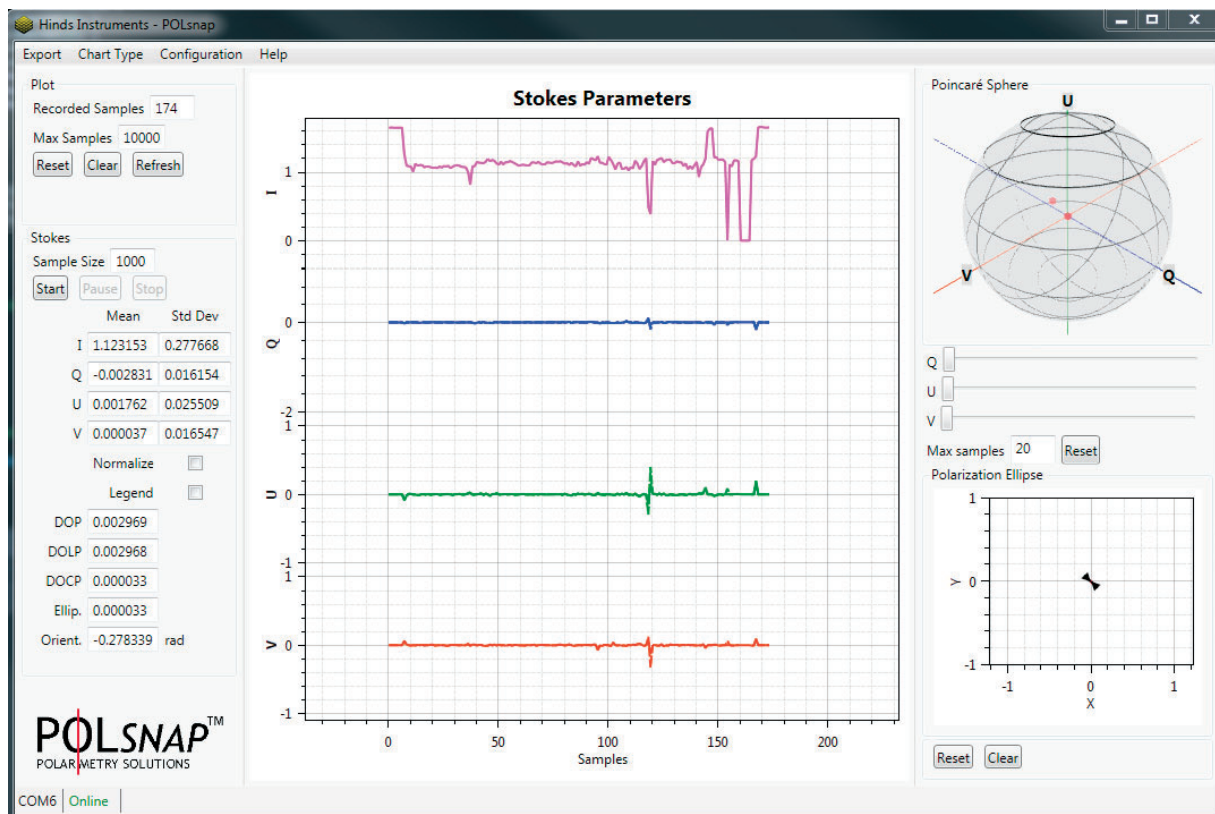
Data is acquired at the rate of 2000 samples per second for a quick determination of 4 Stokes vectors per second. The optical system, drive electronics and detection electronics are all contained in one convenient package. It easily fits into your optical set up so that you can determine the polarization of your light source or optics, do quality control on your lasers, or determine the polarization maintaining ability of your fiber optics. This benchtop turnkey system generates all four Stokes parameters and displays them graphically in three different ways. The repeatability is down to 0.06% and the precision is to within 5% (VIS) and 7% (NIR).

APPLICATIONS

- ♦ Free Space and Fiber Polarimetry
- ♦ DOP and SOP Measurements

FEATURES

- ♦ No beam alignment tools required
- ♦ Connected via USB
- ♦ Fast measurement speed: 4 Stokes vectors per second
- ♦ Excellent Signal to Noise ratio
- ♦ Easy to use software for Window 7 or 10
- ♦ Mounting options:
 - ♦ 30mm cage mount
 - ♦ 2x M4 / 1/4-20 Post Mount



OPTICAL PARAMETERS		VIS	NIR
Wavelength Range		450-700nm	800-1600nm
Dynamic Range		-37 dBm - 3 dBm 200 nW - 2 mW	-34 dBm - 7 dBm 400 nW - 5 mW
Sampling Rate	Default	2000 samples/s	
	Maximum	2000 Samples/s	
Stokes Vectors	Stokes	4 Stokes Vectors/s	
	Intensity	2600/s	
Measurable SOP		Entire Poincaré Sphere	
Azimuth Accuracy		± 0.5°	± 0.6°
Ellipticity Accuracy		± 0.5°	± 1.15°
Accuracy		± 5%	± 7%
Precision (QUV)		0.06%	0.06%
Free Space Aperture		10mm	10mm
Diode Active Area		25mm ²	20mm ²
Input Fiber Connector		30 mm Cage Mount	



ADDITIONAL SPECIFICATIONS

Beam Alignment	No alignment tool required
Command and Control Interface	USB 2.0 Micro / Serial SCPI
Input Power Supply	External Power Supply
DS15 Power Supply Ratings	24V; 2.71A
Dimensions	49 mm x 79 mm x 79 mm 1.9" x 3.1" x 3.1"
Bottom Mounting Features	Two (M4) 1/4-20 Threaded Holes

