



Technical Information
Information Requests
Definitions

General Information
About Us
Contact Us
Trade Shows
Customers/ Industries

[Polarimeters](#)

[Refractometers](#)

[Saccharimeters](#)

[Density Meters](#)

[Accessories](#)

[Service](#)

[Distributors](#)

You are here: [Rudolph Research Analytical Home](#) > [How to Choose a Polarimeter](#) > [AUTOPOL V](#)

Polarimeters

[How to Choose a Polarimeter](#)

[AUTOPOL VI](#)

[AUTOPOL V](#)

[AUTOPOL IV](#)

[AUTOPOL III](#)

[AUTOPOL II](#)

[AUTOPOL I](#)

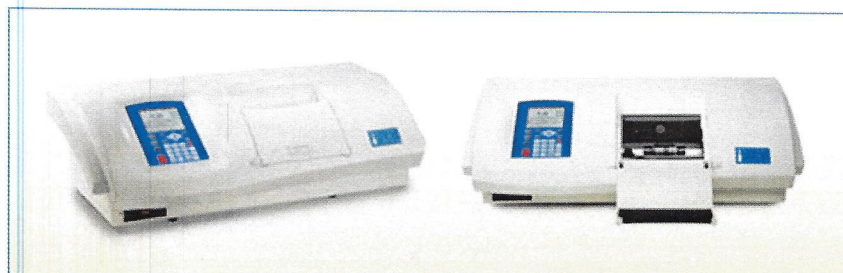
[Sample Cells](#)

[Calibration Standards](#)

[Polarimetry Definitions](#)

[Download this products
Technical Bulletin \(PDF\)](#)

[Contact a Sales Rep
About This Product](#)



[Information](#)

[Specifications](#)

AUTOPOL V Specifications

Measuring Mode	Optical Rotation Specific Rotation Concentration User Defined Scale
Measuring Scale	Degrees Arc, % Concentration
Measuring Range	± 89° Arc Optical Rotation ± 999.99° Arc Specific Rotation 0-99.9% Concentration
Resolution	0.001° Arc Optical Rotation 0.001% Concentration 0.001° Specific Rotation
Reproducibility	0.002° Arc
Accuracy	0.002° up to 1° 0.2% up to 5° 0.01° above 5°
Prism	Glan Thomson calcite quartz
Optical Wavelengths	365nm, 405nm, 436nm, 546nm, 589nm, 633nm (other wavelengths available)
Wavelength Selection	Automatic by push-button
TempTrol™ Range	Automatic Electronic Heating & Cooling 15°-35°C
TempTrol™ Accuracy	± 0.2°C
Measurement Time	1°/sec slewing rate & 2 sec nominal settling time
Light Source	Tungsten-halogen 6V, 20W, avg. 2,000 hr life
Sample Chamber	Accepts sample tubes up to 200mm
Data Storage	Multimedia Card
Communication Interface	Two RS 232 serial ports, one parallel printer port and one auxiliary port
Analog Output	0.1% resolution 0-10 volt full range (optional)
Calibration	Automatic calibration by push-button
Display	Graphics LCD, 320 x 240 dots cold fluorescent back lit