

## Advanced Laser Polarimeter

Patented and manufactured exclusively by PDR-Separations

Measures the real-time rotation of a plane-polarized 635 nanometer laser beam as it passes through the flow cell to microdegree accuracy/resolution



Certifications:	CE, UL, CSA, TUV
Lifetime:	10 years @ 24/7, including laser
Power:	100 - 240 VAC @ 50/60 Hz, 20 watts
Size (WHL):	10/25.4 x 5.5/14 x 16/41 in/cm
Weight:	28/13 lbs/kg
Wavelength:	635 nanometers
Sensitivity:	10 microdegrees
Output Scale:	200,000 microDegrees / Volt

### ALP advantages over other Detectors:

- Long lifetime – 10 years @ 24/7 operation
- Fully automatic – no user adjustments or stop flow scans
- Real Time Data – multiple scans not required
- Large linear dynamic range > 100,000
- No absorbance anomalies or interferences
- Consistent assignment (+/-) for enantiomers
- No chromophore required
- Two internally generated calibration peaks
- Low power < 20 watts at wall plug

### ALP is excellent for:

- Confirming enantiomeric separation
- Controlling fraction collection
- HPLC, SMB, SFC, CCC applications
- Analytical, Prep, Process applications

