

DALP: Digital Advanced Laser Polarimeter

New All-Digital electronics and processing algorithms remove effects of Laser power variations to reduce noise and improve performance noticeably.

New DALP App allows easy adjustment of settings.

Measures the real-time rotation of a plane-polarized 635 nanometer laser beam as samples pass through a 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:	22/10 lbs/kg
Wavelength:	635 nanometers
Sensitivity:	1 microdegrees
Output Scale:	200,000 microDegrees / Volt

DALP advantages over other Detectors:

- Long lifetime – 10 years @ 24/7 operation
- Fully automatic – no manual 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

DALP is excellent for:

- Confirming and identifying enantiomeric separations
- Controlling fraction and peak collection
- HPLC, UHPLC, SFC, CCC, SMB, and PAT applications from Analytical to Prep to Process scale

